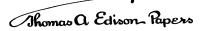
CENTIMETERS



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A SELECTIVE MICROFILM EDITION PART V (1911–1919)

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Thomas A. Edison Papers

Rutgers, The State University of New Jersey endorsed by National Historical Publications and Records Commission 18 June 1981

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filmed are the best copies
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EDISON GENERAL FILE SERIES

1911

Edison General File Series 1911. Battery, Storage - Foreign - Bergmann, Sigmund (E-11-21)

This folder contains correspondence and other documents relating to the commercial development of Edison's alkaline storage battery in Germany and Austria-Hungary under the auspices of Sigmund Bergmann, head of the failing Deutsche Edison-Akkumulatoren-Co. in Berlin. Among the items for 1911 is a 24-page synopsis of events and agreements regarding the manufacture, sale, and organization of Edison's storage battery interests. through the German concern, during the period December 1903-May 1911. Also included are documents pertaining to an inspection of the German factory conducted by A.J. Doty of the Edison Storage Battery Co.; the resignation of H. H. Meno Kammerhoff and his subsequent employment by the Edison Storage Battery Co. in West Orange; Edison's visit to Germany in 1911; and his controversial opinions about German industry and business integrity. In addition to Edison and Bergmann, the correspondents include Emil Rathenau of Allgemeine Elektricitäts-Gesellschaft: electrical engineer. illuminating company executive, and longtime Edison associate Charles L. Edgar, and electrical importer and Edison associate Philip H. Klein, Jr.

Approximately 90 percent of the documents have been selected. The unselected material consists of unsolicited correspondence and duplicates of selected items.



MACHINE DEPARTMENT

Tu reply please quote

Bnn/WH

Thomas A. Edison Esq., Llewellyn Park. JAN 20 1911

Orange.

My dear Edison,

The time has now come when I can go no further with the Deutsche Edison Co., and I am at the end of my tether. Kammerhoff has resigned, as he has also given up all hope of ever being able to make a success of the concern over here.

We have been compelled to spend our time making nickle oxide, as what taken contracts for the supply of old cells which had to be fulfilled, and we have not even yet finished with them. The new battery requires much capital, and we have reached our limit of three millions without any prospect of obtaining more, as our stockholders have refused to put any more money into the undertaking.

You will have seen from our last Balance Sheet how we have invested the money, and what is the tangible value of what is left. The buildings and ground, of course, have the same value as when they -2-

Thomas A. Edison Esq., Orange.

were first bought, and represent about \$ 500,000... The rest has been spent in manufacturing, tools, machinery, and a good deal has been swallowed up in the loss we have incurred through having to keep the plant going. Rogers can report to you as to the condition of the tools and plant, and I wish you would let me know what you think would be beat to do with it.

Unless you help us, the only thing for us to do is to.

liquidate and shut down the factory, sell out, and just save what we can. Have you any idea whether this whole plant could be sold outlight to your English friends? Or do you yourself feel inclined to found a new Company in Germany, for the purpose of pushing your battery all over the whole Continent, taking over the plant, including tools for the new battery for certain outputs, which we have nearly finished, but which it scarcely seems worth while to complete, as we are not in a position to compute with the Leadbattery.

In the latter case, of course, I shall be only too glad to help you all I possibly can, but, although I have kept up my courage until now, I see no way out of the difficulty, and am going to quit making batteries. It certainly seems a great pity that, after the last six years' hard struggle and work, we have come to this result, and I of course did not for one moment expect, when I took over the contract with you, that matters would end like this. In any case, I can confort myself with the thought that I and my colleagues are in no way to blame for the present state of affairs, as we have all along spared

-5-

Thomas A. Edison Esq .. Orange.

no effort and money to make this undertaking a good commercial success, but our task was like that of shovelling mud against the tide.

This continual struggle and worry has made me haggard and grey, and I am tired of it, as this is the first time in all my career that I have undertaken anything that I did not bring to a successful issue; but I do not care so much about this, my first failure - for I went into this matter with my eyes wide open, when you first proposed it to me, and am prepared to bear the consequences as far as I personally am concerned - as about the responsibility I took over when I recommended this undertaking to my friends.

Mind, I do not intend this to be a fault-finding letter - as stated above, I am prepared to bear the consequences of my own action - but I do wish you would let me know openly whether you can suggest any solution of the difficulty, otherwise nothing remains for us to do but to shut down. I shall be glad to consider any proposal you have to make. Perhape, as I understand you are increasing your plant continually, you would be willing to take over this plant in its entirety, and it would then be no trouble to ship it to America. As I said before, Rogers can give you details as to the condition of the plant.

Please let me hear from you by return of mail, for the matter is most wrent.

n indirect,

lergmann.

Jan 21 May) Batbut the compital at interest get a good Delling Manager My Dean Bengmann and only sell butteries, I can furnish them from America Loud do nothing with info the battery in Enope because I put about as theap as you Could not give it my personal Could my - It is a mistake altertion which is a prime recessity to thenk you can manuface un a proneering untention like This things of this Kind in Jerm any cheaper or as cheap as we can here when inventions have to be constantly made a cohere a single device On the Spiri of the moment night do away at lone strake my advice would be to keep with so ment the mane differ your Co up do not liquidate Stop refor sell your property un Wages amounts to nothing - We are gradually gatting in good bahape

here, and hope to crecal up with our orders before If your Co does only a acking Chaines + have betternes oping, we are 10000 cells behind - The Cheapening chapted from here it In time, we shace make rich - its pract would The batterus very Cheng -GE Known= Very 9000 = There is a great Javarbly some afyour jigo of took I a one use paying infeder in Electrices over here as people are funding you colot they Cost, 9 out the cost of supour efter will see Rogers about that 2 or 3 yrs use of the que Can & its unreliable Make up your mend Burgueur Exercise Chauffer not to give up the ballery to The House of the H Y have an order from the Us goot for a large call Because it has failed in rufy Certhing for Dubucaine with a promise that of don't signify that it would fail in making a good of we get them all -

selling batta supplied from Ameri I feel absolutely contain that I can down the Lead Gallery



MACHINE DEPARTMENT

Shi reply please quote
Bnn/WH

Confidential

MAR 17 191 15/20 (1

Thomas A. Edison Bsq., W

Orange. New Jersey.

My dear Edison,

I have yours of January 21st, and, as you wrote me that you would talk to Regers about taking over our tools and jies, I have waited until now for a proposal from you in this matter, but, as you have not written, I thought it better to answer your letter, because, as I wrote you before, we cannot go along any longer as we are doing.

I am somewhat surprised that you should write me that it is not advisable to manufacturein Europe at all, but that it would be cheaper to buy the cells from you direct. Of course, this all depends on the price you will quote us. Please, therefore, send me prices for all the cells you now have on the market immediately on

form 555.44

-2-

Thomas A. Edison Esq., Orange.

15,400 (15,47) \$ 5 PPS (

receipt of this letter, together with the guarantees which I can give purchasers.

Up to now, I havebeen constantly under the impression that the only way to obtain the cells cheaply in Europe and to make some money would be to manufacture in Germany, and, perhaps, later, in England or France. As you will recollegt, I hesitated to go ahead with the expensive machinery for filling, and the other plant, stc., until you wrote me that you could not supply me with the plates, as per your letter of June 21st, 1910, in which it is stated that I should make the flakes far cheaper here than you could do.

I should, of course, be only too glad if I could see my way clear to work under better conditions. Before, however, I stop manufacturing entirely, I must have an answer from you to the most important question: Will you be able to deliver sufficient colls in due time, inspite of your being 10,000 cells behind your orders (as you have written me), and, if so, at what price can you sell us same and batteries f.o.b. New York, including packing?

With regard to the small cells for lighting, sparking etc., your Company writes me in a letter of February 10th of this year that it will be impossible to fill our orders for positive plates for some 300 cells, type B 4 before a long time, because you are a thousand of these small cells behind. Our order was placed as early as Soptember 1910, and we have not yet received a single plate. We havehaked

-3-

Thumas A. Edison Esq. Orange.

you again and again to send us some, but without any result.

If I shut down and do not get any cells from you, it would only be a very short time before we should have, not only to liquidate but also to go into bankruptcy; it would practically mean going from fire into hell.

The Italian Navy is positively prepared to give us an order for 610 big cells of a capacity of 4550 ampere hours. As soon as the tube cells which we sent down for a trial this month have been tested, and there is no doubt they will prove satisfactory, then we are sure to get the order. We shall then need two million tubes. Please, therefore, let me know at once whether you can furnish us these tubes, as we cannot possibly produce them curselves, as we have not the necessary facilities even for a much smaller quantity of a sme. Please also write me what they will cost. The price you have given us for the small quantity you have sent so far is much too high, and no doubt you can do better if you get such a big order.

As there will be a meeting of our Shareholders next month, I shall be obliged to explain the present situation fully, and show the Stockholders, especially the Deutsche Rank, how matters stand; and unless I show them that I can accept your offer in buying batteries from you and keep the Company alive, they will force me to shut down, liquidate, and get out of business. Please, therefore, let me know by return what tools and jigs and special machinery you can take off my hands, and I can then make you a price for the same. What you can take over is, I think, all the punches, dies, the flat pocket

-4-

Thomas A. Edison Esq., Orange.

filling machines, the few tube-filling mehines which we have, the tube-drawing machine, the reliers for perforating the stock, the canning machines, the reling apparatus, the perforated strip plating machines, and the drums for flake plating. All theses, I am sure, you can use, and Rogers can tell you that they are all very carefully made.

Your suggestion to shut down and only sell the batteries strikes me very favourably, only we have to be sure, as I said above, that you can furnish the cells we sell here at such prices as will enable us to sell them and still make a little profit.

I assure you once more that the situation is very precarious and is becoming very uncomfortable for me personally, and it must be decided definitely one way or the other at once, as I cannot pacify the people interested in this concern any longer.

incerely yours,

20-122 LIBERTY STREET

N. Y. March 13 / 11

Mr. T. A. Edison

Orange, N.J.

Dear Sir:

IN 12 811 aux 3/16/11

I would like to have a few minutes conversation with you on a subject in which Mr. Bergmann is interested and about which he has written me that perhaps you can put him on the righet track.

I will therefore be obliged if you will let me know by mail or by telephone when I may call on you about this matter and meanwhile remain,

Yours very truly

Como al free of a company of a



My dear Edison,

Mr. Doddy has now been here for some time, investigating
the plant of the Edison Accumulatoren-Co., and I think we have shown
him that, as westand at present, we cannot go on any longer.

I wish, therefore, you would make us a proposition, as to how we can get out of this dilemma. I and our shareholders are of course willing to lose a certain amount of our investment, as it is only a question of whether you will help us, or whether we shut down.

I have given Mr. Doddy a list of tools and machinery which are available, and which you, or any concern who is willing to manufacture these batteries, can use, and Mr. Rogers can check and corroborate this list, as he also knows exactly what the condition of the whole plant is.

74--- 505-6-0

-9-

Thomas A. Edison Esq., Orange.

We have had an open talk with Mr. Doddy, and he can report to you exactly how matters stand.

As far as I myself am concerned, and I think the shareholders of the Deutsche-Edison will agree with me in this, I have no objection to your taking over this plant yourself, or to anyone else, whom you may designate, doing so. At all evente, we all want to get out of this, and, as I have written you before, I cannot pacify the shareholders any longer. I have been pacifying shem now for the last six years, and they claim that neither you nor I have fulfilled our promises.

I think that you and Mr. Doddy, who now understands the whole situation thoroughly, together can form a plan to make our Company some proposal.

The total loss so far on the whole capital is \$ 275,000 --, and the available assets, special machinery, tools, and special plant, are \$ 116,000.- This only includes the special building which had to be put up for the chemical plant, but not the ordinary factory buildings and the ground, the value of which you can see from the Statement and Balance Sheet which we send you every year.

All the \$ 750,000.- has been paid in, as you will see, with the exception of 15%.

Now, Edison, I wish you would take this up in earnest and help me to get out of this dilemma as soon as possible, as nobody wants to put any more money into the concern, and, if you do not help me, it -3-

Thomas A. Edison Esq., Llewellyn Park, Orange.

means simply shutting down and a bigger loss than if we could come to some solution of the difficulty quickly, and do something one way or the other, for the plant is worth more in operation than if it is shut down, even if only for a short time.

I, of course, should have shut down long ago, if it had not been that I was still hoping that we should be able to pull through, and if it had not been for your and my reputations, as this is really the first time in my life that I have undertaken anything which I did not bring to a successful issue.

As you are aware, my concern (not the Deutsche Edison Co.), took up the manufacture of automobiles for the purpose of introducing the Edison hattery on to the market. This, of course, goes ib conjunction with the battery business, and, if no more batteries are made, mo more electric care will be built.

I am, therefore, sending you a complete set of the drawings of the constructions of them electromobiles, which I think are superior to anything you have over there. You can make use of these drawings freely at your own will, and in fact, if you wish it, I can also send you patterns for same, as soon as I have collected them from the Foundry and fixed them up, and you can also use these without any expense to yourself.

We have altogether built about one hundred of these waggons.

With regard to the big battery for submarines, Mr. Doddy has
seen the first two cells, and will bring photos and data with him.

-4-

Thomas A. Edison Esq., Orange.

The two cells which we have built are, as I have already written you, intended for the Italian Navy, and, if we are successful in obtaining the order I mentioned in my last letter, we must see if you can perhaps or the Italian Navy furnish us, with the cells direct.

Hoping to hear from you by return of post, I am, Sitcerely yours,

Nergmann.

) Form. 866 IL & Ok

My DEar Bergman

Dear Dergman

Perhaps you better how Kline Come over and see what we are doing in battery - Today we

are 12000 Cells Chund orders notwithstanding on cape is make 365 Cells per day - by april

15th we will turn out 500 cells ber day and I am making muchiney

for day and I am making much to run it up to 2000 Cells, This is no romance, Khine can verify We are vieplacing lead 6 attention

can buy the feed set 210,

A these people have used 60th dead Elevan - There is no use giving you he views colly

they do so it would take too long, perhaps I could own it up in the remark made by

the Supt of It & ain & Co | that " a few hundred dollars

more or less price between two types of battery, was of no Consequence to them of they

Twhich they bid with the Edward That the Edward Gallery

got deliability Tuiledge

was much cheaper withe End than a lead backery any way"

Now Bergman Think & better not adole you what to

tentes Abhica is the most difficult part of the cokale do un connection with the Geomen Cattery silvation Bacause I do not know. Curemus, and By not charging any all the Conditions = overhead expenses, I could I have not changed my mind ship weekly - of Taken in in the slightest particular as quantity, at the following to the future cef the Gallery of use will be enormous. Tubro Complete A4 Lypa 432 ports from pockets " A4 lypa 15.3 pullon A head way melling the royalte I have sent you cello and lubes, at these prices & only change dithia Ele to help you out but Kline will learn that Repairs on Tooks, depreciation on we had to do it by Wilholding Took + interest, Labor + malerial Shipments to others to which 9 add 12% I have had figures got out so as To make you aprice peroft = no general Expense In time we will prococe, on Iron pockets inchel be able to materally

reduce as we are constantly unproved State as well Experimenting to oreducaces methods a dies that Costs = They would not work in Making these Luber here will frequire a very considerable out system = moestmeetal of money on my as to shipping Completed part should your orders Cello cuiteal af tubes of reach large persportions, sockets, we and would beepply a Cemital mine If you buy tubes & pochets The more of the until selch times as our Capacity w got to 1000 cole work in the German Lackon would be a mere utiling ! daily tollich will 62 about August I have talked to Rogers The says we could not use the tools or machines you have as our machines have been so constaulle

[ATTACHMENT/ENCLOSURE]

March 24, 1911.

S. Bergmann, Esq., 23-32 Oudenarder Str., Berlin, N., Germany.

My doar Bergmann:

Perhaps you had better have Kline come over and see what we are doing in the battery. To-day we are 12,000 cells behind orders, notwithstanding we make 365 cells per day. By April 15th we will turn out 500 cells per day. and I am making machinery to run it up to 2,000 cells. is no romance: Kline can verify. We are replacing lead batteries at \$800.00 when the same people can buy the lead at \$210.00 and these people have used both lead and Edison. There is no use giving you the reasons why they do so; it would take too long. Perhaps I could sum it up in the remark made by the Superintendent of Hearn & Co. that "A few hundred dollars more or loss priceabotween two types of battery was of no omnsequence to them if they got reliability and mileage, which they did with the Edison battery, and he bolieved that the Edison battery was much cheaper in the end them a load battery any way."

How Bergmann, I think I had better not advise you what to do in connection with the German battery situation, because I do not know all the conditions.

I have not changed my mind in the slightest particu-

[ATTACHMENT/ENCLOSURE]

S. Bergmann- 2.

lar as to the future of the battery -- its use will be enormous.

I have sent you calls and tubes, lithia, etc., to help you out, but Kline will learn that we had to do it by withholding shipments to others.

I have had figures gotten out so as to make you a price on iron pockets and nickel tubes, which is the most difficult part of the whole business.

By not charging any overhead expenses, I could chip weekly, if taken in quantity, at the following prices:

Tubes complete, A4 type, \$43.20 per thousand,
Iron Pockets complete, A4 type, \$15.35 per thousand.
Those prices include royalty, f.o.b. Factory Orange,
packing extra.

At these prices I only charge repairs on tools, depreciation on tools and interest, labor and material, to which I add 12% profit--no general expense. In time we will probably be able to materially reduce, as we are constantly experimentian to reduce costs.

Making those tubes here will require a very considerable investment of money on my part, should your orders reach large proportions.

If you buy tubes and pockets, the work in the German factory would be a more nothing.

I have tolked to Regers and he says we could not use the tools or machines you have, as our machines have been so constantly improved, as well as methods and dies, that they would not work in our system.

[ATTACHMENT/ENCLOSURE]

S. Bergmann- 3.

As to shipping completed cells instead of tubes and pookets, we would supply a limited number until such times as our capacity is brought to 1000 cells daily, which will be about August.

Yours very truly,

Sees questions to talk shoot with Mr. Milest.

- And company in Burego to got all rights for the different countries.
- 2.) Min place for manufacturing, i.e. Commey or Suplant.
- 3.) In case Conney to choosen, chall manufacturing in Inglant take place so far as protection of patents demands ?
- 4.) In the of anything to do in regard to persons in France or other countries?
- 5.) Her the shall number to be correct on 1.0. Will Mr.
- 6.) Jungsor people are offering Alenkins-colin in Italy, (an applicable to does, to oten than the Junear people, seeking in the agent I y a defendance distriction to agent I y a defendance distriction of the desired and th
 - 7.) eximposed to the same in France. They perhips use rights and galants of the Educated Pillary and Sund the Grain Faller to Street to Street in Section in Section

Barlin 29.11.1911.

TELEGRAM

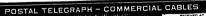
TO THE STATE OF STAT

POSTAL TELEGRAPH - COMMERCIAL CABLES

Buy . Bride Timpolar wire I had some but mindand it I have sent My DEar Ber to Howell of Lamp Co for more a as econices enead Iwas vorry to hear that you Could rapole your way clear to use tubes a go along will mail it seto you. Own battery sales are merca Rogers has gove over the Took Very rapidly. for Welast weeks Audy The following are The out a cont Tenthous only ones he can titilize _ asifler dollars person Dut a price on these the duties are I believe 450/6 This make it deffecult to buy more I have told how to figure out if we cannot buy some of the parts where Laker us Kline was over to get some

[ATTACHMENT/ENCLOSURE]

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DELIVERY NO.

TELEGRAM

Tel. 200 Orange

20

DESCRIPTION OF THE

1 NY N 79 Collect CB New York Apl 24-Thos A Edison ,

Orange NJ

Edison New York wire when did you send answer to my letter March 23rd is very urgent Am now positively compelled to give up making batteries and eint down factory after you in letter of March 24 th Have raised price for tubes over fifty percent this is mining instead of helping us if you supply tubes for two point five cents could accept orders for submarine batteries and try to keep up little longer.

Bergmann Berlin

ac. Bargmonn

TELEPHONE,

FOREIGN DEPARTMENT OF THE

NATIONAL PHONOGRAPH CO. EDISON MANUFACTURING CO. BATES MANUFACTURING CO.

FACTORIES:

ORANGE NEW JERSEY.

ONDON, PARIS, BERLIN BRUSSELS, SYDNEY, MEXICO CITY, BUENOS AIRES.

Orange; N. J. U.S.A. 2012 24-2012.

Ur. H. F. Miller.

Laboratory.

Dear Sir: --

In accordance with your instructions, I have forwarded the follow-

ing cable to Mr. Bergmann:---

Edisoncoll.

Berlin.

Borgmann: The prices quoted on tubes are the lowest possible; leaves little or no profit. We got hundred twenty five dollars kilowatt hour three hour

rate for submarines eighth inch tubos."

You will note the first surface has been slightly changed, in order to code the message, but I am sure the sense has not in any way been destroyed,

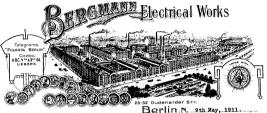
I return to you Mr. Bergmann's cable addressed to Mr. Edison.

Yours very truly,

one-

LVR





MACHINE DEPARTMENT

In reply please quote
Bnn/WH

H. J. Miller Esq.,

The Laboratory of Thomas A. Edison,

0 range.

Dear Sir,

I am in receipt of your favour of the 27th ult., and am pleased to note that Mr. Edison is having some samples of tungsten wire sent me.

I would ask you to convey my best thanks to Mr. Edison for same, andremain,

Yours faithfully,

legmam.

*4--- 205 0 E



MACHINE DEPARTMENT

The reply please quote

Bnn/WH 7.Nr. 4.B. 621 1911 **23 1911**

My dear Edison,

I enclose you herewith synopsis of the whole history of the Deutsche Edison Company, with the short-comings, contradictions, and non-fulfilments of promises which you have made during the last six years. This summary has been asked for by the Executive Committee and principle Shareholders of the Deutsche Edison Company, and has been drawn up by Mr. Kammerhoff.

Now, Edison, if you really meanly help me out of this scrape, you must do so at once, as I am placed in a very ugly position. As you are no doubt aware, I have exchanged the following telegrams with Mr. Doty, who, I presume, is your representative and is acting in your name:

tem 555.4.64

RERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

-2-

From Doty

26.4. Favourable prospects.
Purchase proposal Saturday - Doty

3.5. \$ 10000, now \$ 90000, possession 60 days - Doty

5.5. Propose purchase capital stock company name price - Doty.

To Doty.

- 1.5. Have not received purchase proposal. Our Stockholders want to take final steps.
 Answer by cable Edisoncell
- 4.5. Refer to your callegram
 3rd. Can read your telegram by code, but do not
 understand it. What do
 you expect bo buy for
 100 000 Doll.? Edisoncell.
- 9.5. We have invested \$ 750.000 including all property and whole plant. Are willing to lose \$ 250.000 and turm over whole capital stock of \$ 750,000, subject to approval of bettsche Bank. Make a definite offer for my negociations.

Unfortunately, I have not yet received a mply to this last telegram, and, until I do so, my heads are naturally utterly tied, as I have no definite proposal to lay before my Shareholders. I trust, therefore, that this reply will soon come to hand, as the posttion here is becoming more serious every day. Ism not the man to squeel; but it is not so much for my own loss that I am fighting now - although I am not so rich as to be able to bear such losses with equanimity - but it is more for the Shareholders and for your and my reputations in the eyes of the Deutsche Bank and their asseigtes and other influential people

You no doubt remember, when I returned to Germany from America in 1904, with the scheme for starting an Edison Battery Company over here, that it was only on the strength of the figures you gave me in your own handwriting that I was able to persuade the Deutsche Bank and

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\$ 219,000 ---

or approximately 29% on the Capital Stock.

Thos. A. Edison.

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I am sending you this just in case you should not have a copy by you, and should have forgotten to what an enomous extent you raised our hopes at the time.

You will doubtless also remember that, beyond the money I am losing on this Deutsche Edison Storage Battery Company, there is also \$ 40,000.00 to \$ 50,000.00 which I paid you and Mr. Dick for the interests I hold in the European Patent Company, which has also, up to the present, been a complete failure. I have never mentioned this deal to you since, nor have I ever heard a work morargegarding same, or any result of the investment.

Now, Edison, I am very sorry to have to bother and worry you, but, as I have written you before, I do not know what to do, so I sincerely hope you will see your way clear to help me out of this hole. As I know that you are a firm believer in your battery, and as, in fact, I am meelf sure that you will in the end come out on top, you must surely be able to make use of our plant here; the property and buildings I can possibly dispose of, even at somewhat leadthan the original cost, if you or your party do not want to carry on manufacturing over here.

Will you please telegraph me immediately oh receipt of this letter what you can do, or that you will send somebody over at ence, with your instructions and with power to settle this matter up, and I should be very thankful to you and not forget that you have helped me out of this scrape.

> Yours sincerely, Nergmann.

B. S. Joseph - Gummy

Summary

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Correspondence and Verbal Negociations with Mr. Edison
before and after the formation of the
peutsche Edison Akkumulatoren-Company, C.m.b.H.

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Mr. Edison wrote to Mr. Bergmann on December 7th, 1903, that the last, and, at the same time, the worst existing difficulty had been overcome. The machines for filling the pockets had been put into operation on the day the letter was dated, and in the following week it would be possible to proceed, with the conviction that everything was in best order, and that every defect in the battery had been removed.

In the meantime, up to the summer of 1904, verbal negociations took place between Mr. Bergmann and Mr. Edison, the result of which was that Mr. Edison authorised Mr. Bergmann, by letter dated September 30th, 1904, to form a Company in Germany to manufacture the Edison battery and exploit the patents in that country. This authorisation was to the effect that Mr. Bergmann should start the German Company within seven months, dating from September 50th. Mr. Edison detailed the general terms and the style of contract he would be willing to make with the German Company. At the same time, Mr. Edison remarked in his letter of September 30th, 1904 that he was in a position to supply the active material for a cell of 115 ampère houre, i.e., type <u>E 18</u>, for <u>§ 1,10 c M. 5,45</u>, and that he expected in a short time to be able to reduce this cost.

Based on the above-mentioned price, the corresponding price for the standard cell type H 27 made later in Germany would amount to <u>M. 8.12</u>. In addition, Mr. Edison remarked that he would be prepared to supply the active material to the German Company at 25% above manufacturing cost, and for as long a period until the German Company should be in a position to manufacture the active material themselves.

In a letter of the next day, in his own handwriting, dated October 1st, 1904, Mr. Edison expressed in detail his expectations with regard to the prosperity of the German undertaking. This letter reads as follows:-

"Bergmann:

I figuredout the profits which the German Co. will "in all probability make

*If the factory makes 300 cells (18 plate) per day
*costing we will say \$ 6. per cell and selling for
*\$ 10. which is the priceye sell in America, the
*gross profit for one year of 300 days should be
*\$ 560 000. Deducting the royalty of 60 cents
*per cell amounting to \$ 54 000., there remains
*\$ 306 000. Deducting six per cent dividend to the
*Stockholders on the capital which is \$ 45 000.
*there remains \$ 261 000. One third of this
*amount going to German Co. is \$ 67 000.
*Therefore the gross profit to German Co. is
6% dividend \$ 45,000

Proportion surplus profits \$ 87,000

"approximately 17 % on the stock. In my opinion.

The proposed capital is sufficient for a factory

including chemical Works for mfg. 600 wells

daily. In that case the surplus profits

going to the German Go, would be twice as great

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or approximately 29% on the capital stock.

Thos. A. Edison.

The turnover mentioned in this letter corresponds to the manufacture of 200 and 400 cells respectively of the type H 27. Mr. Edison, therefore, assumed that, in all probability, the estimated results could be commercially obtained in Germany, and stated that a capital of M. 3,000,000 -- would suffice to obtain this and.

On the basis of this information, Mr. Bergmann was able to interest the Deutsche Bark, as well as Bank Director Fritz Guther, and other smaller Shareholders, sufficiently for the formation of a German Company, so that they declared their readiness to accept the agreement submitted by Mr. Edison. In order to expedit@natters as much as possible, Mr. Bergmann had, in th@meantime, before the end of the year 1904, leased the factory and ground Dronthelmerstrasse 55/38, which was later purchased, and at the same time had commenced to instal machine tools and also to make the necessary tools for the manufactur@of the

The latter was possible after Mr. Edison had allowed the foreman engaged by Mr. Bergmann to study the manufacturing methods in the Shops in New Jersey.

Mr. Edison stated in letters dated November 28th and 29th, 1904, that, in the patteries made up to that time, serious defects had developed and that, in consequence, he felt compelled to stop manufacturing the type E cell and to close down his Shope as far as the manufacture of further cells was concerned. The defects in question consisted mainly in leakage of the came, and, further, the capacity of the cells differed considerably, and also short-circuits occurred between the plates, but, in the opinion

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of Mr. Edison, these defects would be avoided in the improved type H cell, which was to be manufactured in Germany.

In a later letter, dated December 9th, 1904, Mr. Edison again reiterated that he did not propose to manufacture further batteries before the cause of the defects had been discovered, and removed, and, further, remarked that he expected every day to overcome the difficulties in question.

In a number of letters written between October up to the end of Desember 1904, Mr. Bergmann kept Mr. Edison continually informed that the factory in Germany was working on the preparation of the tools and that good progress was being made.

On January 11th, 1905, Mr. Edison wrote that he hoped to find the cause for the losein capacity of individual cells shortly. He recommended that, for the time being, only the tools be made, but no cells manufactured, and expressed the opinion that the tools which were being made in accordance with drawings supplied by him would need no alteration, and that the new cell type H, as it would be manufactured in accordance with his wishes in Germany, would fulfil itspurpose.

On March 21st, 1905, Mr. Edison stated that he was having new patent applications worked out, and that all parts of the cell, as manufactured up to then, would remain unchanged, with the exception of the positive plates, which were being altered.

On January 25rd, 1905, Mr. Edison was requested by letter to send active material, in order to enable tests to be made with filling pockets. He replied, however, on March 28th, 1905, that he was not able to send active material, and that, apart from thie, he would not do so, even if he could, as he wished to prevent similar mistakes also being made in Germany.

Naturally, as a result of this refusal on Mr. Rdison's part to send active material for experimental purposes, it was impossible to proceed with despatch with the work in Germany.

On April 19th, 1905, Mr. Edison wrote that he was making good progress with his work, and that he hoped, in a few days, to report on the alterations that were necessary to the new cell.

At the same time, Mr. Edison again pointed out that he could not possibly send active material for the preparation of cells to Germany. In consequence, nothing further could be done but to await the development of affairs in America.

On June 22nd, 1905, several grids and perforated strips for making pockets were sent to Mr. Edison, in order to show him the progress that had been made with the tools in Germany. On July 26th, Mr. Edison wrote with regard to tests made at that time with the new type of cell, and pointed out that the cell was much stronger and had a longer life, as compared to the former cell type E. The cost of producing a cell of 150 ampère hours' capacity he said to be only M. 4 -- more than for the clder type, having a capacity of 115 ampère hours. Mr. Edison wrote further that the tools made in Germany could be used without alteration for the manufacture of the new cell, and that it would only be necessary to make some additional tools.

The tests made in Cermany went to show that the welding machines supplied by Mr. Edison for welding the cans were not up to the mark. In consequence, we adopted the acetelyne method of welding, which had considerable advantages as compared to the electric welding machines, so that the latter were discarded.

Further, the completion of the tools had advanced to such an extent that, in order not to stop work altogether, it was necessary to receive further particulars from Mr. Edison.

At the same time, the patent action Edison wereaus Jungner had been definitely concluded by the declaration of invalidity of the fundamental patent of Jungner in Germany. It thus appeared necessary to take energetic steps to proceed with the samufacture

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of the Edison battery in Wermany.

In consequence, Mr. Bergmann decided to go to America in February 1906, in order to convince himself personally what could be done in order to avoid further loss of time and meney. On the occasion of this visit in America, it was evident that the production of the new type cell on a manufacturing scale was at that time not to be thought of. The machines for filling the round pockets used in the new cell were not complete, and many questions in connection with the tools required therefor still unsettled. In view of Mr. Bergmann's remarks, Mr. Edison then decided to give his consent to the manufactureof the type H cell in Cermany. Upon this, the work still remaining to be done was hurried forward as fast as possible, and, in consequence, in August 1906, it was possible for the first time to prepare a schedule of the probable manufacturing costs in Germany.

This, however, went to show that they would be considerably higher than the manufacturing costs assumed by Mr. Edison in his letter of actober 1st, 1904. The main cause of this lay in the fact that Mr. Edison charged so much more for the material supplied by his chemical Works than he had assumed in the first instance. He had assumed the price of M. 8.90 for active material for a cell H 27, while the amount actually charged by him was M. 16.32. On the other hand, it was not possible to settle H. 63 -- as the selling price in Germany for the H 27 cell, although this would present no difficulty for American conditions, and, in consequence, we were very soon compelled to be content with a grees selling price of H. 45 -- for the H 27 cell. In consequence, therearose a serious discrepancy between the manufacturing cost and the selling price, so that, owing to the high prices that had to be paid to Mr. Edison for the active material, the manufacturing cost of the cell H 27 amounted to about H. 4 1 ---

There could, therefore, be no question of profit, but only of supplying the market to a limited degree with cells at a loss, in order not to keep the factory and its staff idle, and to lose time uncleasely.

According to Mr. Edison's opinion, it had, further, to be taken into account that the new cell could be manufactured within a short time, so that conditions would then be considerably improved.

It was duly taken into consideration whether it would be possible to stop manufacturing in Germany altogether until the manufacture of the new cell could be taken up. Such a proceeding, however, did not appear opportune, as itwas to be feared that, in consequence, the reputation of the Edison battery in Europe would suffer to an irremediable extent.

On addressing Mr. Edison on the subject, he replied on October 26th, 1906, that he was well sware that the prices charged for active material were high, but that he could not alter this stateoff affaire, as, owing to the Chemical Works not being fully occupied, the establishment charges were very high, but that, at a later date, considerable improvement might be expected in this respect.

On Movember 19th, 1906, Mr. Bergmann wrote to Mr. Edison that matters could not be continued in the present fashion, as this would simply mean ruin to the German Company. Mr. Bergmann pointed out that the establishment charges were very high, and that seasthing must be done in order to prevent further loss. Mr. Bergmann proposed that the German Company should take up the manufacture of electric care, in order to improve the situation. On December 5th, Mr. Edison, however, replied that he could not give his content to the proposition that the German Company should take up the manufacture of other articles than batteries.

On December 15th, 1906, Mr. Bergmann wrote to Mr. Edison

acknowledging receipt of his letter declining to give his consent. Mr. Bergmann pointed out that, even if manufacturing were to be stopped, nevertheless heavy expenses would continue. Mr. Bergman further asked whether Mr. Edison could not send particulars for making the tools for the new battery, in order that the staff and workmen of the German Company might be occupied, as they could notbe discharged. On April 27th, 1907, Mr. Bergmann informed Mr. Edison that he could not possibly wait any longer, and that he would, therefore, come to America, in order to negociate with Mr. Edison personally; and, further, that he would bring Mr. Kammerhoff with him, in order that the latter might study the details of the new cell on the spot. In connection with the investigations made in June and July in Orange, Mr . Edison then wrote on July 22nd, 1907, that he considered the new cell sufficiently advanced to advise us to commence manufacturing same slowly. In addition, Mr. Edison gave the German Company permission to sell batteries everywhere in Europe and also in England, for the period of one year.

The actual manufacture of the new cell in the summer of 1907 was, however, out of the question, as meither the tools nor the special machines were sufficiently developed. At Hr. Edison's suggestion, on the other hand, the necessary tools for the new cell were taken in hand, and, in addition, the manufacture of the old type H cell was continued in order not to leave the factory and staff unoccupied until the new cell was ready for the market. In addition, it was arranged with Hr. Edison that he should send, as soon as possible, a tube-filling machine to Germany, se that similar machines could be taken in hand on this side.

The plan to improve the unsatisfactory commercial position of the German Company by making dectric care in addition to the batteries could not be consummated, as Mr. Edison declined to rive his consent to such extra work being undertaken.

On October 15th, 1907, Mr. Bergmann enquired by telegram and by letter whether Mr. Edison had despatched the filling machines. On October 29th, 1907, Mr. Edison replied that he had had a filling machine packed on the same day, and that he believed that he would be able to give Mr. Bergmann the order for making the necessary machines for a battery factory in England.

- On January 8th, 1908, Mr. Rerg-man wrote to Mr. Edison that he had asled several times for nickel flakes, but had not received them, and at the same time Mr. Rergmann asked for permission to be able to centinue the sale of Edison batteries in Europe and England until about December 31st, 1908, or longer.
- On January 23rd 1968, Mr. Edison replied that Mr. Bergmann appeared to think that rapid progress was being made in America. Mr. Edison said, however, that he had only just been in a position to erect the appearatus for preparing nickel flakes, and that it would, in consequence, take ten or fourteen days before he would be able to send several pounds of these flakes. On the other hand, however, he stated that a small sample would be ent at one.

On January 27th, 1908, Mr. Edison wrote to Mr. Bergmannthat he had received a telegram in which Mr. Bergmann asked for several sample cells of the new type with round pockets. Mr. Edison remarked that he had not completed any new cells, and, further, did not know when they would be ready. As soon as the new type of cell, however, should be sufficiently advanced, he would send a sample to Germany, and believed that the first cell would be ready in shout four weeks.

On March 6th, 1908, Mr. Rergmann wrote to Mr. Gilmore that he had received no reply to his letter to Mr. Edison dated January 8th, and that the illness of Mr. Edison at the time was doubtless the cause of this. Mr. Bergman requested Mr. Gilmore to approach Mr. Edison with a view to obtaining permission for the

German Compnay to sell batteries in the whole of Europe for a lengthy period. Mr. Bergmann pointed out that, in view of the high prices at which the old type H cell had to be sold in Germany, it would never be possible to do a business in this in Germany alone. In this letter of March 6th, 1908, it is further recorded that up to December 31st 1907, 1344 cells type H 27 in all had been sold, and that a royalty of \$ 1225.04 due to Mr. Edison had been credited to him.

On July 17th, 1908, Mr. Bergmann sent Mr. Edison the new lists that had just been published, showing that the German Company, in addition to the electromobile cells type H 18, H 27, and H 45, was also making smaller cells type F 9, P 18, P 27, and O 18. Mr. Bergmann pointed out that, up to then, the turnover in standard electromobile cells type H 27 had been very small, as we were not in a position to reduce the prices sufficiently to meet competition. The letter further stated that a small experimental plant for active material, built according to the so-called "old" process, had been completed and that Mr. Bergmann had decided to increase this plant to such an extent that active material for about 50 cells H 27 per day could be mde. It was further stated that we hopedite produce the active material for cell 127 for about M. 8.40, as compared to M. 16.32, which latter amount we had to pay at that time for material procured from America.

Mr. Edison was, in addition, requested to send the Chemist Mr. Arbogast to Germany, in order that the attree might advise us in the manufacture of the iron masser the negative side of the cells. Mr. Bergmann also drew Mr. Edison's attention to the fact that everything possible was being done in Germany to find a market for the Edison cells, as could be clearly seen not only from the lists of the Edison Company, but also from the lists of the Bergmann Electrical Works issued by the electronobile department. This letter also placed on record that, up to the lat July

1908, 2544 cells type H 27 in all had been sold and that the reyalty due, amounting to \$ 2515.04, had been placed to Mr. Risen's gredit.

On July 30th, 1908, Mr. Edison replied to the abovementioned letter that he could not possibly send Mr. Arbogast to Germany, as he had no one to replace him, and that his own work would be interrupted if he were to allow his chemist to go. Mr. Edison suggested that a young man from the Technical High School in Charlottenburg should be sent to America, whom he would instruct. Mr. Edison remarked that his new processfor producing the iron material was very cheap and that it would be possible to make the iron in Germany for 20 cents per poundl He further stated that he would probably be in a position to supply activematerial for half the price charged up to the present as soon as the plant for the manufactureof active material, which was then in processof construction, was completed. Mr. Edison also said that the new cells which were then being completed were satisfactory, and had already been run for 3000 miles in a car, and that, although the chassis had to be continually repaired, the battery had developed no defect whatscover.

Mr. Edison further stated that he expected to complete twenty-five filling machines for tubes in six weeks, and then would commence manufacture.

On September 16th, 1908, Mr. Bergmann wrote that he had engaged a Chemist, Dr. Herold, and that he would send him to America for the nurses of studying the lattery.

On January 8th, 1909, the German Company wrote a lengthy letter to Mr. Edison, stating that it would not be possible to conduct the business in the present fashion any longer. It was pointed out that the manufacturing cost for a battery of sixty-four cells, H.27, amounted to \$480.co, without taking establishment charges into account, while, as compared to this manufacturing cost, the netthelling price was only \$ 800.00. The German
Company believed it could reduce the manufacturing cost to \$ 416.00
as soon as the active material could be produced in Germany for
half thebrice of that which the German Company was then compelled
to pay for American material.

These figures werebased on the assumption that, in Germany, about 100 calls type H 27 would be manufactured per day, but that if less were made the manufacturing cost would, of course, increase, and, further, the general situation would be serious should the cells have to be sold at still lower prices.

Mr. Edison was therefore requested, in order to enable the business to be continued, to agree to an alteration in the agreement made with him, to the extent that the German Company should not pay reyalty until the new cell had been placed on the market, and until the money lost had been regal ned. Further, that, in addition to the new Edison bettery, other articles might be manufactured in Germany, and, finally, that Edison batteries might be sold all over Europe, with the exception of England, during such time as the cells were not being manufactured in the particular countries in question. It was further pointed out that, up to that time, a loss of approximately M. 1,000,000 - had been incurred, and that the present situation was unbearable.

Mr. Bergmann sent at the same time a covering letter to Mr. Edison, in which he wrote that Mr. Kammerhoff was going to America to discuss the matter verbally with him. Mr. Bergmann stated that he was no lenger in a position to pacify the Company in Germany, more especially as the loss incurred was critical with reference to the capital paid up, and that steps must be taken to put the business on a solid basis, and Mr. Bergmann hoped that Mr. Edison would give these representations his serious attention.

In view of the representations made both by letter and

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werbally, Mr. Edison wrote on February 11th, 1909, to the German Company that he would be prepared, under the existing circumstances, to alter the contract of September 28th, 1905, in the following manner:

From March 1st, 1909, up to six months after the date upon which the American Company begins to manufacture the new cell on a commercial basis, no reyalty shall be paid. Mr. Edison to write as soon as this period had elapsed, after which the payment of reyalty should recommence. This temporary stoppage of the payment of royalty to be agreed to on the condition that the Germany Company should at once commence to make the necessary machines and tools for the manufacture of the cell Type A, in order that the manufacture of the new cell might be proceeded with as quickly as possible.

Mr. Edison declared that he was now satisfied with the new cell.

On August 13th, 1909, Mr. Edison wrote that he would be in a position in a few weeks to send all particulars for making the machines necessary for manufacturing the new cell. He stated further that, at that time, he was turning out and selling eighty cells daily, and that in a further six weeks the number of cells would be increased to 250. Mr. Edison further remarked that he had approached Mr. Pierpont Norgem with a view to his withdrawal from the English Company, and that Mr. Morgan would not consent to withdraw. The same applied to the French Company. Mr. Edison further said that Mr. Bergamm would probably receive a large assumt of work in connection with the English and French factories. Mr. Edison also wrote that the Italiam Navy had purchased a battery of standard size for experimental purposes, with a view to using large cells for submarine bests, excording to the

On December 17th, 1909, Mr. Bergmann replied that he would be very pleased to receive orders for making the tools and machines for the English and French Factories. He enquired at the same time at what price Mr. Edison could supply nickel flakes.

On September 27th, 1909, Mr. Edison informed the German Company officially that the Edison Storage/hattery Company had commenced manufacturing the new cell type A on July 1st, 1909, and that, in consequence, the original agreement of September 28th, 1905, would come into force again on January 1st, 1910.

This meant that Mr. Edison required that from January 1st

- Should manufacturestorage batteries only;
- 2. Should pay the royalty stipulated in the Agreement.

As a result of Mr. Edison's attitude in this question, it is self-evident that he wiched the German Company by all means to take up the menufacture of the new cell at the earliest possible moment, without, however, taking into account that considerable time was required in Germany to make all the necessary tools and machines.

On September 50th, 1909, Edicon wrote that he was preparing all the necessary particulars and drawings, etc. for the manufacture of complete factory equipments for England and France. Mr. Edicon wrote that, as soon as these particulars were ready, he would submit the plans to Mr. Pierpont Morgan. He again repeated that probably Mr. Bergann would have to build the larger part of the mediage necessary.

Mr. Edison further stated that his factory turned out 100 cells per day, but that in the next few days he would be making 200 cells per day, and that he was preparing sufficient machines in order to manufacture 500 cells daily. He further wrote in detail that the amortisation of his cell would be less than that of lead batteries during the course of years. With reference to the manufacturing cost of type A 4, Mr. Edison was

of the opinion that this would be cheaper to manufacture than type E 18, and that, in addition, a substantial reduction of the manufacturing cost would be possible. Mr. Edison finally said that Mr. Bergmann might possibly think that he, Mr. Edison, might be too sanguine in regard to the future of the battery, but that he would refer him to previous experience in this respect, which went to show that much better results had been obtained from his inventions than he himself had expected.

Mr. Bergmann replied on December 18th, 1909, that two weeks before the General Neeting of the Edison Company had taken place, and that on this occasion the Deutsche Bank and also the other parties interested commenced to become impatient and demanded positive particulars and information. Mr. Bergmann stated that, in view of the favourable information contained in Mr. Edison's letter of September 30th, he had been able to instill courage into the Shareholders. He further wrote that he would be glad to receive the orders for the French and English factories, and, in connection therewith, again requested that particulars in the form of drawings for making the filling machines and for the new flakes apparatus, etc., should be sent him, and, further, saked for several cells A 4 and A 6.

It is wident from the above letter that, although Edison had again put the original contract into force from January let, 1910, he had, nevertheless, not even given the German Company sufficient information to enable them to proceed with the tools and machines only.

On Movember 5th, 1909, Mr. Bergmann sent a translation of an article by Dreyer in the "Richtrotechnische Zeitschrift" regarding an electric locomotive with Edison batteries. Mr. Bergmann pointed out that the Germa Company were occupied with the design of a cell of larger dimensione, and at the same time confirmed the receipt of Mr. Edison's tolegram, in which he stated

that he would send drawings and tube cells in the course of the week. Mr. Bergmann further stated that it was of vital importance for the German Company to commence making the new battery, as with the old battery the Company could neither live nor die.

In January 1910 (no date), Mr. Edison wrote Mr. Bergmann privately that Rogers, who had in the meantine (beginning of January) come to Germany, was not in a position to rum a large factory. Rogers, however, had all the necessary experience with regard to the battery, and would be of great value in bringing out the new cell on a commercial basis in Germany. Mr. Edison further stated that Mr. Bergmann could be cenvinced that the new cell would be a great success.

On January 24th, 1910, the Deutsche Edison-Akkumulatoren-Company wrote to the Edison Storage battery Company in confirmation of the telegram of January 11th, that Rogers had brought blue prints for tools and machines with him, but no new cells, however. It was pointed out that we must have at least six cells, in order to make tests, and the Edison Storage Battery Company was requested to send further 70 cells & 6 for testing in an electromobile. Further, the German Company requested that 25 lbs. of mickel flakes be sent for experimental purposes.

On March 24th, 1910, Mr. Edison was asked to say whether he intended to start manufacturing in England during the year 1910, and Mr. Rergmann expressed the hope that Mr. Edison would then give him the orders for the necessary machines, as he had repeatedly premised.

Mr. Edison wrote on May 6th, to Mr. Rergmann that he could not see the possibility of sparing any nickel flakes for Germany, and that he had to work night and day in order to make sufficient flakes for himself, and in order to send flakes to

Germany he would have to reduce his own output in cells. Edison stated in addition that the apparatus for manufacturing the flakes was very cheap and easily made, and that Rogers could give all the necessary particulars. With regard to the English factory, Mr. Edison wrote that the expert had sent in his report, and that in all probability something further would be heard concerning this matter in a few weeks.

On May 29th, 1910, Mr. Edison wrote that the Railroad Companies in America were interested in locemotives equipped with Edison batteries. Mr. Edison further stated that, in order to reduce the time for charging and discharging, tubes of 1/6" diameter, would be used, the present type having such of 1/4" diameter. According to his remarks, Mr. Edison appeared to attach great importance to the business with the Railroad gompanies, and also appeared to regard the cells with the thinner tubes as an important feature.

On June 21st, 1910, Mr. Edison again wrote to Mr. Bergmann that he could not send any flakes to dermany, and that the flakes could be made more cheaply here than in America. Mr. Edison stated that the manufacturing cost for flakes used in an A 4 cell amounts to 60 c., but that he would reduce the cost in time to 50 c.

On July 12th, 1910, Mr. Bergmann replied that he was very glad to hear of the cell with thinner tubes, especially as the competition with the lead batteries was made so difficult because, on account of the time taken in charging and disebarging with the older type of cells, these had to be taken much larger than was necessary. Mr. Bergmann asked for the necessary particulars in order to be able to proceed with the manufacture of the thin tube in Germany as fast as possible. In connection herewith, Mr. Kamerhoff wrots a report, dated July 7th, to Mr. Bergmann, in which he pointsout that the information received

from Mr. Edison with regard to the thin tube cells was of great importance, as, by shortening the time required for charging and discharging, it would be possible with the tube cell to do busireas on a heatthy basis.

On July 21st, 1910, Mr. Edison wrote that the thin tubes of 1/8" diameter are only to be used for cells in railroad care, and submarine boats, and that the present type, with 1/4" diameter tubes, are to be adhered to for all the other cells, and that he was unable to send any information with regard to the thin tubes, as those existing had only been made by hand.

on July 12th, 1910, Mr. Bergmann informed Mr. Edison that he was very glad to hear such good news with regard to the new battery, but that his duty towards the shareholders would compel him to convince himself how matters actually stood. He remarked that, without further information, it would be impossible to expect the Shareholders to pay up the remainisader of the capital, and that, for this reason, he had decided to send Mr. Kammerhoff to America, in order to make the necessary investigations. Mr. Rergmann furtherptated that the Shareholders were beginning to get very disagreeable, and spoke of taking action gainst him, as falsegatatements had been made to them when the German Company was founded.

Mr. Kammerhoff's investigations in America in August 1910 showed that the manufacture of the tube cell with thin tubes was not to be thought of. In a report to Mr. Edison, dated August 31st, 1910, Mr. Kammerhoff places on record that the manufacture of cells with thick tubes was being proceeded with without a hitch, but that, in order to work with a profit in America, the daily turnover would first have to be raised to about 500 cells type A, while at that time the turnover actually amounted to 200 cells type A per day.

In this report Mr. Edison was requested to extend the

rights of the German Company, in order that Mr. Bergmann might be in a position to show the Shareholders something tangible, in order to induce them to subscribe further capital.

It is also recorded in this letter that Mr. Edison was prepared to supply nickel flakes, nickel hydrate, and iron mix, also lithium, at fixed prices.

In the different interviews, Mr. Edison still maintained his demand that the German Company should manufacture the new cells as quickly as possible, and also make the mickel flakes themselves. Mr. Edison also advocated the manufacture of lithium in Germany. He declined absolutely to extend the rights of the German Company, and wrote a short note to Mr. Kammerhoff, in which he advised Mr. Bergmann to bear the cost of carrying on the business of the German Company himself.

After Mr. Bergmann had, both by letter and verbally, received reports upon the exact position of the business in America at that time, he wrote to Mr. Edison on September 15th, 1910, that he felt extremely disappointed, as it was evident that considerable time and large sums of money would be required before a final commercial success could be expected from the battery business. Mr. Bergmann drew Mr. Edison's attention to the fact that he would never for one moment have entertained the idea of taking up the battery, had he possibly been able to foresee that such difficulties would arise, and that such vital alterations would have to be made. It was mentioned, further, in the letter that the Shareholders and more especially the Deutsche Bank had, after waiting five years, lost all confidence , but, nevertheless, Mr. Bergmann stated that, having regard to both his own and Mr. . Edison's name and reputation, he could not let the business drop. Further, that it was absolutely out of the question that Mr. Rergmann should entertain Mr. Edison's suggestion and put more of his own money into the undertaking, but, on the other hand, in

order to woid further calls of capital, Mr. Edison should send the necessary materials, in the form of nickel flakes and positive plates, to Germany. Plates sufficient for twenty batteries of 72 cells, type A 6, were required at once, which were to be taken into service at the ond of the year 1910.

On September 21st, 1910, the German Company wrote to Mr. Edison with regard to the small cell made in America type B 4, of 76 ampere hours capacity, and Mr. Edison was requested to send as quickly as possible drawings, and other particulars, in order to enable the manufacture of this apparently favourable small type of cell to be taken up in Germany. Mr. Edison was further requested to send the positive plates for 200 - 300 cells B 4, in order that the cells might be assembled in Germany.

On September 28th, 1910, Mr. Edison telegraphed that he would send one thousand positive plates for A cells per week, beginning on October 10th, 1910, and also that he would send nickel flakes and nickel hydrate. This telegram was followed up by a further one, on October 15th, 1910, in which Mr. Edison stated that he was unable to send any plates before the end of October.

(3)

The German Company confirmed these telegrams in a letter to Mr. Edison dated October 31st, 1910, and special attention was drawn to the fact that both the plates, as well as the nickel flakes and nickel hydrate were urgently required, as otherwise it was impossible to proceed. It was further pointed out that Mr. Edison had already been requested, On September 21st, 1910, to send drawings for the small B 4 and B 2 types, and also positive plates for 200 - 200 cells B 4.

In a letter dated December 1st, 1910, Mr. Bergmann informed Mr. Edison that the preparations for manufacturing the new cell were being proceeded with at full speed in Germany, and that eight filling machines for tube boxes were being made. Mr. Bergmann furtherhated that the Italian Navy had sent in enquiries for large cells for submarine boats, and that we were to make several cells in Germany of about 5000 ampère hours capacity for Italy. Enclosed in the letter was a report of the last Board Meeting of the German Company.

On December 15th, 1910, Mr. Bergmann wrote to Mr. Edison, stating that, as the tools for the new cell A 4 and A 6 were almost ready, and as the work on the sight filling machines would also be completed shortly, Rogers' assistance was no longer required, and that he would, in consequence, return to America.

On December 19th, 1910, Mr. Bergmann informed Mr. Edison that Mr. Kammerhoff had resigned, and that he (Mr. Bergmann) felt himself compelled to seriously consider liquidating, in view of the hopeless condition of the business, unless further considerable sums were invested. Mr. Edison was asked whether he would make any proposition with a view to taking over the tools and machines, to be used, possibly, for a factory in England.

This letter was despatched on January 9th, 1911. On January 21st, Mr. Edison replied that he had not yet started manufacturing in Europe, as he had no time to occupy himself sufficiently with the matter. Mr. Edison advised Mr. pergmann not to liquidate, but to stop manufacturing and sell the factory building and ground, that is, to turn everything to money and to invest the remaining capital at suitable interest, and to solely concentrate his efforts on the male of batteries, which Mr. Edison would supply from America. Mr. Edison expressed the opinion that he could supply from America just as cheaply as could be manufactured in Germany, and, as a matter of fact, that it is a mistake to assume that the batteries can be produced at a cheaper rate in Germany than in America. Mr. Edison said he had received large/orders, and was 10,000 cells behindhand. With reference to the question of taking over some of the tools, Mr. Edison stated that he would discuss this matter with Rogers.

In the meantime, the Italian Navy had ordered two submarine boat cells of 4500 ampère hours capacity. In order to ensure that no mirtale should be made with regard to the tubes, a telegram was sent to Mr. Edison on January 24th, 1911, to send 15,000 tubes to dermany.

This telegram was confirmed on January 25th, and Mr. Edison again requested to depatch the positive plates for 200 - 300 small B 4 cells, which had already been ordered on September 21st, 1910.

On January 28th, 1911, Mr. Edison te legraphed that he would despatch 15,000 tubes on February 4th.

On warch 7th, 1911, Mr. Bergmann wrote to Mr. Edison, stating that he was surprised at Mr. Edison's letter of January 21st, in which the latter advised him to stop manufacturing in Europe. Mr. Bergmann remarked that the possibility of selling cells in Europe that had been made in America depended upon the price which Mr. Edison would demand, and, also, the dates of delivery he could give. Mr. Bergmann enquirged at what prices Mr. Edison would supply the tubes if Mr. Bergmann were to give him an order for 2,000,000 of these. Mr. Bergmann again approached Mr. Edison, saking him to make an offer to take over the tools and machines, in order to enable Mr. Bergmann to discuss the necessary steps to be taken with the Deutsche Bank and the other Mr. Bergmann remarked that he considered Mr. Shareholders. Edison's proposal a favourable one, in which he suggested that the cells sold in Germany should be made in America.

In the meantime, Mr. Doty came from America to Germany, and asked Mr. Bergmann whether he would care for him to try and obtain financial people in America, who would be interested, in order that the business in Germany might be continued. Mr. Bergmann disclosed his views on this subject in a letter to Mr. Edison dated March 23rd, 1911. This letter recorded that Mr.

Bergmann expected to receive an acceptable proposal from Mr.
Edison, as otherwise he would be compelled to close down the
factory. Mr. Bergmann again pointed out that it was solely on
account of Mr. Edison's and his own reputation that he had kept
the factory running, and that, if it had not been for this consideration, he would have given up the battery business long ago.

In a letter dated warch 24th, 1911, Mr. Edison wrote that, after due consideration, he could not take over the tools and machines. The situation in America was at the time so favourable, he still having orders for 12,000 cells unexecuted, that it would be best if Mr. Bergann were to send Mr. Klein to the factory in Orange, in order that he might personally convince himself of the favourable position of affairs. Mr. Edison further remarked that his spinion with regard to the future of the hattery had not altered in the least.

With reference to Mr. Bergmann's enquiry with regard to the prices of tubes, Mr. Edison redied that he could supply same for \$ 45.20 per 1000, in which price, apart from the depreciation of tools, he had only included 12 profit, but, on the other hand, nothing for establishment charges. This quotation, however, represents, as compared to the invoices received up to the present, on increase in price of about 50%. While Mr. Edison formerly charged 2.9 c. per tube when 15,000 of these were supplied, he now demands 4.3 c. each, and remarks that, in the latter price, the reyalty is included. As all the German quotations had been based on a price of 2.9 c. per tube, this offer was of no use to the German Company.

As no replies were received to the last letters within the next four weeks, Mr. Bergmann telegraphed on April 24th, 1911, to Mr. Edison, and enquired when Mr. Edison had replied to his (Mr. Bergmann's) letter of March 25% 1911. Hr. Bergmann cabled that he must shut down the factory, as Mr. Edison, in scoordance

-24-

with his letter of March 24th, had raised the price of tubes by 50%. Mr. Bergmann further wired that, at a price of 2t c. per tube, he might try to keep the business going a little longer.

In reply, a cable was received from Mr. Edison on April 25th chester that the price quested for tubes was the lowest.

25th, stating that the price quoted for tubes was the lowest Mr. Edison could give, as it included little or no profit.

From the last letter and exchange of telegrams results that Mr. Edison at the present time instets on an increase of the price for tubes. This renders it impossible to maintain the quotation to the Italian Navy for complete batteries for submarine boats. If Mr. Edison also increases the prices for complete positive plates for the type A in the same proportion, the result would be that in Germany the same prices would have to be asked for electromobile cells as in America. For a battery of 72 cells A 6, such as would be used in a two ton truck, the gross price would then be M. 6048 --, as compared to a gross price of M. 2000 - for a lead battery.

Experience up to the present has shown that it is hopeless to offer electromobile batteries at such prices, and the only question still open is whether batteries for submarine boats would be purchased at such increased rates.

A quotation based on Mr. Edison's latest price of 4.3 c. per tube was submitted a few days ago to the German Nacy, and future negociations will show the attitude the Authorities will adopt with regard to the offer in question.

85- 12 mml 12 119 11 The amount, My Dear Kammerhoff 743 Mr Rogers tello me you me have Decourated from The ballory Co. and leave in July -+ that you bould lake to Come over with in, I could give you a place & Enterprises providing Mr Berguan Is made to renderstand that I am not trying to take you away, I would not for an welfant do ampling to hunt Mr Bergmany 19 cooled Day about 75 dollars perweek to start with I if you made a success I of course would encease

Emple Rath used college dead batteries

[ATTACHMENT/ENCLOSURE]

5-25-1911

Men Rathman Director Objection Berlin

Bergman made feature my storage battery made longe invisionent wants to give up, would not take my advice, has no conception of its value for the future, Wash you would cable your agent here make investigation of works and business here, Have thousand men, way behind orders prospects for a business twenty william dollars year, Have made great improvements ato an epach making device performs functions impossible with lead fatheries Ibelieve your Company should absorb the German Coplasse auswer of you will worstigate,

9

[ATTACHMENT/ENCLOSURE]

COPY CABLE.

file

Rathenau Director,

Allgemeine Elektricitats Gesellschaft,

Rerlin, Germany.

"Bergmann made failure my storage battery, made large investment, wants to give up, would not take my advice, has no conception of its value for the future. Wish you would cable your agent here make investigation of works and business here. Have thousand men, way behind orders, prospects for a business twenty million dollars year. Have made great improvements, it's an epoch making device, performs functions impossible with Lead batteries. Believe your Company should absorb the German Co. Please answer if you will investigate."

(Signed)

Edison.

Sent May 25th 1911. W. U. Tel. Co.

Siemens Halsker Co If you have an expert agent in America would like to have him see me have an important peroposation Cable) W.U.J.C. Charge E.S.B 4.15 P.m



30 NY N Berlin May26-1911

Edison, Orange NJ

We have transferred all accumulator interests to the well

known german .. tudor company who is financially strong and to whom J gave knowledge of your cable there are well disposed to send over experts at convenient time to investigate thoroughly into the matter .

Rathenau.

MAY 27 1911

My Dear Buttein

Yesterday Event your C

Yeslenday Levet you Che

of Read your Caleco confeeler

The secreen of coelico you is that Torgonam who formed a Openium to to work my defection accommotors has there as a torgonal

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My Cable to you was for the purpose of gelling your Co to morningale the business shofactory with the US, with a view of taking over the

I am not particularly delegated to hear that your laws said your law to the Judor Co - they would have how your Co would have

from Bergmann

I have found that we wanted one not very deverable

There is one thing certain that The Company that Contrate this new 6 actiony will within 3 or 4 years Command the bulk of The Electric business Iknow you will smile at this stalement, time will To Yam very much abliged + was pecased at the tribule you paid me at the great dinner I wellarge

Seven Schuchardt & Co Newyork time

Just received the following Cable from Borlin

Yet in numediate touch with Edison

Orange My Jutendo to make very

helport and propositions

BS- gemony

SIEMENS-SCHUCKERT WERKE

G. m. b. H. KAPITAL 90 MILLIONEN MARK ÜBERSEE-ABTEILUNG

> Telegramm-Adresso: WERNERDYN BERLIN

Reichsbank-Girokonto G.

Berlin SW., den. 27th May 1911.

33778 c.v.o.

im Antwortschreiben bitten wir die vorstehende J. Nr. anzugeben und auszerdem der Adressn die Bezeicheung: "Übersee-Abteilung" hinrusoffigen.

JUN 7- 1911

Th. Edison Esq.,

Orange New Jersey U.A.

Dear Sir,

We beg to confirm receipt of your telegram of yesterday and in answering we wired you to-day,

" Jansen New York in absence of our agent Doctor Frank will visit you at once."

Yours faithfully

m nuisur ppinena

P. H. KALIN JR. COMPANY
TO THE LIBERTY STREET
THE ASSOCIATION
THE PROPERTY STREET
THE PROPERTY STR

two ago, I have learned that Mr. Bergmann will reach the age of 60 on June 9th and, while you probably know it, I take the liberty of sending you this reminder as no doubt S.B. would be greatly pleased to receive a letter or cablegram from you on the occasion.

Yours truly Bull.

Sulgura Berlin

Occapion Sitty - A Y am slift five ahead Eduar

Mary Some Wile com The Bergmann Berlin -Am trying find a purchaser who will be buy your Have approached Rathnew Simens or Morgan Germ, you will make the mart Level gigantic Chander on second of you sell out Recent Events proves Gattery

opens up a new field and we certain to be an epoch with Electric Generality of megatications,



MACHINE DEPARTMENT

She reply please quote
Bnn/WH

Thomas A. Edison Esq.,
Llewellyn Park,
Orange.

New Jersey.

My dear Edison,

100 M 100

I duly received your cable of the 1st inst., reading:-

*Bergmann.Trying to find purchaser who will buy your derman "Company. I have approached notenan, Siemens and Morgan will be supposed to the state of the supposed of the suppo

This telegram does not, of course, help me out of the fix here, and it is not an answer to my letter of May 11th. As I have written you before, if you do not take immediate and positive steps to help us out of this trouble, it will end very soon in a very big scandal, and I know that neither you nor I can afford to be dragged into a lot of lawsuits brought by stockholders.

I note you say in your cablegram that you have approached Rathenau and Siemens; you are no doubt aware that Siemens and

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

-2-

Thomas A. Edison Esq., Orange.

Rathenau own the Tudor lead battery and are, in fact, practically the owners of the Tudor Company, and that, further, they havebeen the biggest opponents of your battery in Europe. These are the very people who have, from the start, all along prophesied this commercial disaster and ridiculed your battery!

I now await a positive reply from you, one way or the other, and remain,

Yours sincerely,

POSTALTELEGRAPH



COMMERCIALCABLES

CABLEGRAM

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POSTAL TELEGRAPH - COMMERCIAL CABLES

The Postal Telegraph-Cable Company (Incorporated) transmits and delivers this caalegrem subject to the ter

Via Azores

Eg: Berlin June 10-1911 Edison .

Orange NJ.

JUN 12 1911

8111

The members of the staff of the bergmann works assembled to celebrate the sixtieth birthday of their respected chief send thier heartiest greetings to the nester of electricity

POSTAL TELEGRAPH - COMMERCIAL CABLES

Berlin June

814A

Edison ,

Orange NJ.

Referring your cablegram ninth have nothing to say any more Bergmann

SIEMENS-SCHUCKERTWERKE

Mr. Thomas A. Edison, UR 15 FI Valley Road.

West Orange, N. J.

Dear Sir:-

Referring to the writer's visit of the 27th ult., beg to say that we have just received a short cable in answer to our report of your proposition as outlined to the writer, to the effect that we are willing to consider such a proposition, our final decision depending on details and future negotiations.

Besides giving us the above information, the cable contained the following addition: "Purchase Bergmann excluded". We do not know exactly how to take this statement, and before being able to explain same to you, we will have to mait written confirmation, which we understand has already been mailed to us.

We beg you to take this communication simply as preliminary information to the effect that SIEMENS & HALSKE A. G. AND SIEMENS-SCHUCKERTWERKE G. M. B. H.
REP. BY DR. K. G. FRANK NEW YORK

--

our firm is favorably inclined to take up the manufacture of your new cell. As soon as we have received the detailed information the writer will take the pleasure of coming to Orange and visit you in order to discuss the matter further with you. In the meantime, we beg to remain,

Yours very truly,

mat, to Dr. Frank.

· butty though

ALLGEMEINE ELEKTRICITÄTS-GESELLSCHAFT

DIREKTION.

BERLIN NW., 23.6.11

18 - Et J.

omas Edison Orange, NEW YOR

Hy dear Edison : -

I have placed your favor of the 27th, ult. before our friends, and now learn from them that you are also negotiating with Mesers. Siemens Schuckert through their representatives in your city.

Our friends are obtaining from someone in close touch with you, more detailed information in regard to your invention and its present actual position, and by making tests of your batteries and oells, will form for themselves an opinion as to the merits of same. They will then communicate with you in regard to the result.

with kind regards.

Believe me,

Yours very truly,

s. Araba Umng



Machine Department

In reply please quote

Bun H

Bnn/WH.

My D'ens Bengman

Scholl cours north and he was been a Europe of heart

9 Crapt to ace you consecuted he in Europe of heart

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Enclosed please find copy of letter I have to-day written to dee the second point of t

written her that, if I can be of any assistance to her, am entirely as ther disposal, and I hope we shall see her in Germany before long, even if only for a short time.

Are you perhaps coming over tater on? If so, when? I should be very glad, if you come to Hamburg or Bremon, to must you there if possible. I am sure a good haliday in Zurepe, and an automobile tour through France, Switzerland, and Germany, sould do you piles of good. I can arrange for motorcars for you over here, as I wrote you last year.

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Hoping to be able to greet you in Germahy soon, I am,

Tergunuu



Thomas A. Edison Baq., Orange.

Porm. 5551L 8.0

[ATTACHMENT/ENCLOSURE]

y	Service Control of the Control of th	
From	25	_
Bergmann Electrical Works, Dept. M., Berlin.		on
Enclosure to our letter of28.6.11.	•	
MThomas A. Edison Esq.	/ *	JUL 10 🖖
Orange.	Michael Roday	28th June, 1911.
	1.m 11	
Mr. A.	Doty.	
	5.00	

Dear Sir.

I am in receipt of your favour of the 12th inst., addressed to Mr. Kammerhoff, and in connection therewith beg to remark as follows:-

New Jersey, U.S.A.

In the general statement sent you we had inserted for special machines, tools, chemical plant, and special plant, the sum of \$114,952.co, this sum including the new building for the chemical plant. Your people are willing to pay \$106,000.co for the plant without the building for the chemical plant, the latter costing \$15,258. Deducting the cost of the building from \$114,952.co leaves \$99,714.co, which sum is nearly equal to the \$100,000.co which you are propared to pay. In this way, however, we should get absolutely nothing for the business itself, and I think, therefore, that you should increase the sum to at least \$120,000.co. It should furthermore be taken into consideration that the whole plant for nickel-plating, consisting in addition to the usual accessories of four machine baths and seven stationary baths, is not shown in our statement at all, but would nevertheless be included and handed over to you for the sum of \$120,000.co.

Mr. A. Doty, Orange.

about \$ 14,000.00.

In addition to the items mentioned in the general statement. there are the following: 1.) Land \$ 169,810.00 2.) Building \$ 109,648.00 3.) Factory equipment \$ 14,095.00 4.) Office Equipment \$ 1,381.00 5.) Raw material a) for new type cell: sheet iron for grids and tubes \$ 500.00 hard rubber parts \$ 1714.00 flakes, 150 lbs. \$ 303.00 hydrate, about 1200 lbs. .. \$ 9710.00 lythium hydrate \$ 1429.00 \$ 4,917.00 b) for old type cell: sheet iron & hard rubber parts --...\$ 25643.00 half-finished parts of old type cell \$ 24167.00 old type cells ready \$ 8738.00 \$ 58.548.00 6.) Standard machines, such as lathes, presses, etc., inclu-ding steam engines and boiler plant \$ 43,452.00 7.) Items as per general statement \$ 114,952.00

\$ 516.203.00

Mr. A. Doty, Orange.

If, therefore, you take over the whole of the business, as shown in the above statement, you will have to pay \$ 516,203.co, but we, on the other hand, should receive no compensation whatsoever for the trouble and work of building up the business during the last six years. I would further point out, as mentioned in the letter of the Edison Co. of the 16th of Nov. that there is a mortgage of \$ 142,860.co on the land upon which the factory is built.

As you are well aware, we have spent about \$ 756,666.00 on the business, of which amount at least \$ 275,666.00 has been lost through continual alterations in construction of the cells, experiments made, etc.

With regard to the general prospects of the business at the present time, I beg to remark as follows:-

Owing to the fact that we entered into negociations with the Italian Navy and supplied two trial cells which, after being subjected to a series of tests for several months, proved to be satisfactory, in every respect, the interest in the Edison assumulator has increased to a very great extent. From information we have received, it would appear that the Italian Waval Authorities in Spezia have recommended to the Maval Department in Rome that Edison cells should be used in the two submarine boats which are now being built:

We have, in the meantime, supplied two further cells, each having a capacity of 4350 amp.-hours, to the French Navy, and these

Mr. A. Doty, Orange.

are being tested at the present moment.

The morits of the Edison cell were explained to the German Naval Authorities by means of a personal interview in Kiel, and, as a result of the discussion, their views on the subject were entirely changed. The Authorities in Kiel have submitted an application to the Naval Department that sums should be granted, in order to enable them, in the first instance, to order several cells for testing purposes, and they propose further to alter the design of the new boats in such a manner that the Edison cells can be installed therein.

The Dutch Government also sent one of their Engineers to us, and have further asked for a quotation for cells for submarine boats.

A representative of the Russian Navy called upon us, and

received full information and details with regard to the cells.

As you can see from the above brief summary, the business in large cells for submarine boats is now assuming definite shape, and it is to be expected that the Italian, Fronch, and German Navies will very shortly placeorders for complete batteries.

The price of a storage battery of this nature would amount to at least \$200,000.co. The French Navy have at the present time about sixty submarine boats, the Italian Navy about twenty, and the German Navy about five. All Navies are doing their utmost to develop and increase the number of submarine boats, and it can safely be said that, after the first order for a battery for a submarine for one of the

Mr. A. Doty, Grange.

Buropean Navies has been placed, other orders will follow, amounting to millions. In fact, the development of this particular business is not to be gauged.

In addition to the above-mentioned large cells, our clients have also shown, during the last few months, great interest for the standard small cells. Amongst others, we received yesterday an order for 5000 cells, having a capacity of 8 Amp.-hours for mining lamps. Further, within a few weeks, we have received orders for forty batteries for wireless telegraphy.

It may appear strange, in view of the favourable prospects of the business, that I should be inclined to stop work on the Ritson cell, but I would ask you to take into consideration that I havesuffered so many disappointments and such continual worry and annoyance during the last six years that I am completely discouraged and tired of the whole business.

Furthermore, our capital is exhausted, and, finally, the other two principle charcholders, with the Doutsche Bank at the head, are so disappointed at the length of time they have had to wait that they have declined to put any more capital in to exploit the Edison battery.

Unfortunately, Mr. Edison sent us a few days ago a cablegram in which he positively prohibits our continuing our negociations with Italy and other European Mayles, agant from Germany and Austria. This

Mr. A. Doty, Grange.

step is of course of most vital importance for me, and I am utterly at a loss to understand how Edison can have come to such a decision. The proposition contained in this letter is, of course.

subject to the consent of Edison and of the Executive Committee of the German Edison Co. that you and your friends should take over the business. I have, however, no doubt whatever that the Executive Committee will agree to the sale of the business being effected in the form suggested by mc, as, up to the present, any measures I may have adouted have always had its approval.

Kindly let me hear at the earliest possible moment what you think of my present proposal, and I sincerely trust that we shall be able to come to an arrangement, so that the parties interested can take ever the German Edison Pattery Co. on terms which will be acceptable to me, and thus continue the husiness, the prespects of which are so favourable.

Yours very truly,

June my

Connect Learn My Dear Edgar To generally Same and The Mark of the Muller was a few for the Muller with the factory of the Mark of of th

you cabled Mr. Rathenau about your German battery situation. As you may remember, I have always been extremely intimate with the Tudor Battery people, Mr. Maller and Mr. Roderbourg being two of my warmest friends. Mr. Rathenau is a director in their Company and I understand that there is some general arrangement by which the Allegemeine Company and the Siemens-Schuckert Company turn over all their storage battery interests to the Tudor Company.

Knowing my relations with you, Mr. Muller immediately told me how he felt about the German eituation and said that he had no objection to my telling you how he felt if it would be of any interest to you. Their general feeling is that they would like to control your battery if it is what you think it is. They are naturally skeptical, alwaye having been interested on the other side, but I think they are surely open to conviction if approached in the proper way.

I do not know whether or not this interests you but if it does I should be glad to tell you the whole story at any time

which would suit your convenience. I feel under very great personal obligations to Er. Muller and his friends for their many courtesies shown me in Germany and anything I can do to get them into pleasant relations with you will be a great satisfaction to me. As I go over to New York every week or two, I could run out to see you at almost any time which you might name.

Yours very truly,

to b- Ereguer

Prod I Drugo Carbina Com 75 - 1911

ELECTRICITATE ACTION COM 50 - 1911

BENACE.

WYSOCAN (Hey Dear (all two) - 1911.

WEETON.

I that Responding you have contained.

Hungary but far bore nothing Her

Hungary but far bore nothing He

U. S. A.

Thomas A. EDISON

WEC love him rights - want as

ORANGE M.J.

litele vece what

When I had the pleasure of seeing you at Prag, you were so kind as to promise to give me some information regarding your storage battery for motor GATS.

Will you kindly arrange that some catalogues and other printed matter be sent to me . eventuelly a sample cell be sent and adressed to my company, as I have considerable interest of making some arrangements regarding the selling of these betteries in Austria. -

To your information I may mention that my company is now working with a fully paid in

share capital of 6 millions Kronen, equal to 1,200.000 Bollars and has extended connections throughout Austria-Hungary.

It would also interest me to learn, wether we could obtain the exclusive right of selling your batteries for Austria-Hungary. I may add, that a company working from Berlin could not do any bussiness at all in our country, owing to the great national contrast existing.

I hope that you arrived safely and in perfect health at Orange. -

With kind regards believe me, dear Mr. Edison.

very sincerely yours



Machine Department

So verly please quele

Bnn/emr

Thomas A. Edison, Esq., Llewellyn Park, Orange, N.J., U.S.A.

Wy dear Edison:-

I hope that you and your good family have had a pleasant trip across and reached home in good health and spirit. It is with great pleasure, indeed, that I recall your visit. It was really one of the finest treats I here had in my life and will always mean pleasant recollections. I only hope that you will repeat your trips to the "did World" more often.

The Book on the "Beach Car" I will send to Mr. Rathenau to-day, with a few lines end ask him to kindly turn this matter over to someone who is not opposed to the Edison Battery and report to you direct.

The Deutsche Edison Gesellschaft have sent a substantial remittance to your company for bills due and have also forwarded another order, according to our understanding, for 4000 more plates.

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Thomas A. Edison. Esq.

o -

9/29/11.

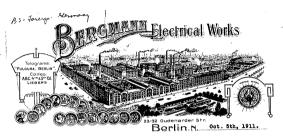
Please see that these are executed promptly, so that we can keep things moving here. I should be much obliged if yourcompany would let us know immediately, when these plates have been shipped, as it is most important for us, in order not to get into extreme difficulties.

Also please advise me what you can do regarding prices, how much chesper the plates and tubes will be, when you deduct the general expense, as we talked, when you were here.

Thanking you for an early reply, I am, with very

best wishes

h



Machine Department

The reply please quote

Bnn/emr 00 14 F

Thomas A. Edison, Esq., Llewellyn Park, Orange, N.J., U.S.A.

My dear Edison:

I have asked Mr. P. H. Klein Jr. to endeavor to see you on board the S.S. "Amerika" immediately on her arrival in New York Bay, concerning certain articles published in the New York World, alleged to have been based on statements made by you, criticising and ridiculing German industrial enterprises and business methods most sharply. All the German newspapers are up in arms about these statements and there is, throughout Germany, a great deal of agitation and constermation on that account.

I would appreciate it very much, therefore, if you would authorize Riein to cable a denial of these statements to me, so that I can pacify the people here, who are looking at this matter very tragically. I am convinced that these publications are merely signs of animosity on the part of the individual repor-

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Thomas A. Edison, Esq.

- 2 -

10/ 5/11.

ter of the "New York World" and have no foundation, so far as

In order to calm the people over here, it was necessary for me to issue a statement, saying that you could not possibly have made such remarks and that, considering the short time you spent in Germany, you would not be in a very good position to thoroughly and finally pass a verdict upon the conditions here. I also requested that the entire affair be considered less tragic, the same as is done over in the States. I was compelled to do this, in order to protect our interests in general, especially the Deutsche Edison Gesellschaft, and for your own sake am expecting a denial of the publications made in the "World", which I am convinced are not in accordance with the actual facts.

With best wishes,

Yours very sincerely,

Reguman.

assimulation by 11/N

October 12th, 1911.

Poutsche Edison-Akkumuletoren Company, G.m.b.H., Drontheimorntresso 35/38 Borlin, N. Germany.

Gentlanen:

heat times of \$4,000 amounced in yours of the 28th ult., gratefully schrowledged. This, together with the expenditures of \$1800 (Auto Bire) and \$748.50 (Prosses) reduces your indebtedence to \$5,52.88. Please remove to send us your bills for these two items as soon as possible thit we may properly credit than to your account.

Mr. Maison has consented to fill your present order for 4,000 positive pates at the old price of 90% each, with the understanding, hencever to the price of 90% each, with the to be presented by the set of the price of 90% each of the price of the impossibility of our continuing to supply you with plates at the 90% figure.

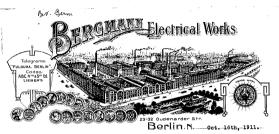
We can ship 2000 of these plates by Rovember lat and the reserving 2000 by the latter part of that month. If this in exercish places rayise at the earliest possible monant, and obline

Very truly yours.
EDISON STORY OF BATTERY COMPANY.

Office Honoger.

TJL/JT.

Berlin 10/16/11 J. G. E. Flate shipped what steamer Chave sent check Bergman



MACHINE DEPARTMENT

The reply please quote

Bnn/emr

Thomas A. Edison, Esq.,

Llewellyn Park, Orange N.J.

Wy dear Edison: -

I have just cabled you as follows:. "Telegraph how many plates shipped what steamer I have

sent check"
which I herewith beg to confirm.

As I told you in my letter of the 29th of September the Deutsche Edison Co. sent you a substantial payment on that day and placed an order for 4000 plates, type A. I have also paid your auto bill, amounting to about \$1100.--, and a bill for dresses for Mrs. Edison for about 680 fres., so that our account has received a substantial credit.

In order to keep things moving here, it is of the greatest importance that the type A plates be sent us as quickly as possible, and I would ask your kind assistance towards this end, as otherwise we shall be in a very bad fix. You will recollect my telling you that I am now personally responsible for the payments of the Raison Co. here

- 1 -

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Thomas A. Edison Esq.

- 2 -

10/16/11.

and appreciate the gravity of the situation.

The book you left with me, on the Beach car, I sent to Mr. Rathenau and he has promised to turn it over to one of his engineers who is familiar with the battery business. I am afraid though, that he will turn this matter over to the Hagen people and then, of course, there will be no tangible result. This only emphasizes the importance that our orders must receive prompt attention, so that we can make a good showing.

In my letter of Spptember 29th, I also asked that you notify me when the above plates, type "A" will be shipped and am now awaiting your reply to my cablegram of to-day requesting the same information.

We also have orders on hand for B 4 cells and as we have no tools for this size of cell here, I am enclosing herewith our requisition for 100 cells, type B 4 and I trust you will give instructions that these be shipped as quickly as at all possible. In fixing a price for these B 4 cells, we would ask you to kindly take into that we will supply the lithium and electrolyte and also form the cells ourselves.

Awaiting, with interest, your news concerning the above

matters, I am

pry truly yours,

Leigenaus.



Mr. Thomas A. Edison,

Llewellyn Park, Orange, N.J. U.S.A.

My dear Edison:

The reply please greate

Bnn/emr

I have received your wireless message, explaining what you have said regarding the German industries and business integrity. I have given this to the press here and things have quieted down here, the explanation being perfectly satisfactory. I really had quite a hard time trying to pacify the people over here, as they considered the article first printed a great insult for the German commercial world, but everything is o. k. now. It seems to me that Mr. Valentine tried to be a little too smart and issued statements against Germany at your expense.

I have sent Mr. Rathenau and Geheimrat won Siemens a photograph in your name and they will no doubt thank you for same direct. If, by mistake, anyone should send you any bill for photo-

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Edison.

self,

2 - 10/17/11.

graphe, etc., taken during your stay over here, I would ask you to
please send same to me, so that the bills will not be paid twice.

I hope that you have derived a lot of good out of your
trip to the "old World" and with best regards to Krs. Edison and your-

M

S. S. Janaan Galater William Stranger Garain W. Stranger Beach is getting lots af Car orders has 12 building and 19 Ruining When you get Beacles There occurs to 6x d Gra frield book back from Rathman or these Cars pleased send it to & Fodor Willyon please get all Jof the Buda Pasta Eledino the data on the laxi cabo Cb to look over in Hamburg- City & coms to I have jacked though Gothen be full of Electric Taxis people bep & you will get Ischniede data or 162 certain to get your Valso Juda preses 4 plates in the Tube promise quarantess Didejou get Kahmhafo letter greating prices -There is a concern in Norfalk Va who care making a great I reduced the rayerly to 400 will you can be making money + cut Duccess uff gellgen Expense & added a very tille profit

Thedeposition of the for full list price on ix the Cutting to be relieved The dre baying Lots of Cattering lighting has house 64 Electria Then they . they go into a town put Charge the loadery which up poulers dumannae Cost 14 cents + change hum 105 They sand the Cally by they wice Exhibit the Educat freight and after 200 3 weeks System ax Cighting House lange they whip and they which is Getterny at the - Hall to be used when the first one gets near der change -Admintractives Then they & it's received to Norfolk show 6 8 4 10 Call A4 also by breight one charge for B4- with 4 & + 10 CP orfelling Karmer last ader Jungolan Laurpa 3/4 water amoult, they growing per Claudie = rgwe their pert one 10 CP damp Duces of Tanney they Take Volume From Sitting room Nots of orders - They make 40Pm Hace + God rooms the man que a Raul deposit + changes would recutal sufficient to pour

think his lights are low he goes to the general

gets on the localtery that

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they turn out the light of go
with 5. Thing xoon of land
on the light When they go to
bed they turn that and of
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they got to bed these is the
formers way of Course
there are lots of better

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of business as its charges. Abetter Chan the prestotite revery forly well places of the property and the state of the content of the content

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more light then they use

A6 of Their of Plener -

with Jug Gonts duedges

any body to get most worder just deposit as fine dhance for men swith which on be wat serve copital returned = The norfalk \$5,000 to becald up a buy Gog - already several Man Jacp he is sive they holoz gouc To Konfalk will never ank for relivin to montigate and are I fend that sence I left we have sold 16 sets 60 Cello Each with gas toil Engines for large private hower with Country the 6 cago cay to go to lake the norfalk scheme best as to so easy-you don't ask



MACHINE DEPARTMENT

The reply please quete

Bnn/RMR 53

NO: 4- 011

Mr. Thomas A. Edison, Llewellyn Park, ORANGE, N.J.

My dear Edison:

This is, of course, somewhat lower than the former rates, but even with these reduced charges we campt see our way clear to sell the batteries and make expenses. Is it not possible for you to let us have these tubes for 3 cents each, until your new battery is placed on the market?

Your price for iron pockets is entirely too high and we can produce them much cheaper here, and besides, we still have a lot of material on hand, which we must use for this purpose.

However, there is another way to help us out, if you should find it impossible to furnish us the tubing at 3 cts. each,

Form. No. 9, 21

RERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Edison.

. 2 .

10/24/11.

i.e. make us your lowest, possible price for crushed nickel hydrate and nickel flakes, in order that we can fill the tubes curselves. We have twelve tube-filling machines ready and also a machine for rolling the tubes, so that it would not take us very long to fill the tubes curselves.

I know perfectly well, that you are not making any money no matter what price you quote us, but you will appreciate that we will have to manage somehow to linger along until your new, small tube battery appears on the market. I should be much obliged, therew fore, if you would please let me have, by return of mail, price for 1000 lbs. of nickel hydrate and the necessary nickel flakes for this quantity, and also advise me whether you will be able to furnish us the tube complete at 3 cents each.

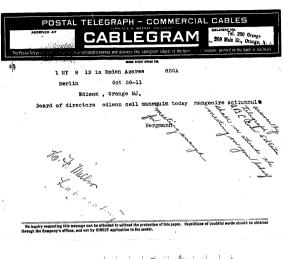
As I have already written you, I turned the "Beach" car literature over to Mr. Rathenau and he has now requested us to give him particulars, concerning three different sizes of batteries. We have given him prices which do not include any profit whatseever for us and only just about cover our general expenses. I am very much afraid, though, that Mr. Rathenau's automobile company have a contract with the Tudor Go. and that this inquiry is merely a matter of form. They will probably reply that the price is too high, at any rate, I am easerly awaiting their news in this matter.

Also kindly arrange for the new cells to be sent us, at once as promised, with small tubes, having 1/8" dismeter.

Thanking you in anticipation for your favorable consideration of the above Mours sincerely,

Porm 655 II. 8. 69.

Pergramme.



Sulgana As. Freign Bornary

Byllin

Helin meeting Streetro

Edward Cell on my behief

Calle

WE will ship all tube and hundred B four inside ten days -

Eseran

(w/11/2)11

yours of Get 24 at hand & It is impo day Lower prices than given without achual hosse y carried do this as I have outside stockhall The ballouped and do not own it all you say the won is too high, that you can make it charges, you can probably make non cheapen but not the kind of now we make, we king perse Hornesy hor, pure sulphur acid, crystalize of Audahate 3 times + Take The greatest present make 1200 lbs Landy to pary 1,50 was per 225 for formery Wethert the vion wo made Exactly right I would not quarantee The defe for 4 years, as & do now, to you ask me to quote of makel hydroxide, This schows you wiend to continue with the factory or How you can ever win out when you wie possessed with the idea that you must compete on ponce with the land 6 million is more than I can frame out, your present methods will containly make it imposses ? for you to succeed - you will gain Considerable Expensence from what I

am doing wi france and Englands I have arranged to carry a clock of about 1000 Cells in fordow and the same in paris, with an Expert tester - + keep the stock up. somewhere The furm in Paris who are to merchanders the 6 villing pay- full hist price for 6 atting bless 20%, go east, per cell try also gray Enctor duty = This weeker the Cell high in France, but the ferm who are Engineer of who are perfectly familiar with thatte the head of Edurate broklemes way that the price of the Edwar will be no hambleage, as by it thay are another to open up a very large in directions where the peculiarities of a lead leathery makes it impossible In England we have a laving business Sight Possecully from Engineering Conserva will are money of are familiar with the Lend Gattery I am sive my advice to you is correct the about doing the business but in a Dution get a good business man to work up the selfing end , I willowgn



My dear Edison:

As I have written you in my letter of yesterday's date,
I am very much astonished that the details of the manufacture of your
battery has been given to the public at large in the magazine entit-led "The American Machinist" and would sak you to kindly let me
know whether this has been done with your consent.

I beg to point out to you that your patent rights in Europe are very meagre and I always believed that it was understood between you and me that even if the patents did not offer a great stronghold, the thorough experience and experts required for the manufacture of the battery would offer ample protection in itself. Now if these processes are described in detail and broadcast, as is done in the articles I refer to, I am afraid that when the time comes for you to reap the fruit of your labors, that the competition will be very keen. As you doubtless know there is a German edition of the Macrican Machinist* and I am sending you copy of a German translation of the first article published about your battery,

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Edison.

- 2 -

11. 8. 11.

I have not got a copy of the original article printed in English, and also copy of the second article published in English, which will appear in the next issue of the German edition during the coming week, I understand.

I should be pleased to have your views in regard to this matter and remain, with best wishes,

Yours very truly,

Legimin

Mr. Thomas A. Edison, LLewellyn Park, Orange, N.J. U.S.A.

Enclosures.

BudapestiÁltalánosVillamosságiÍlézvénytársaság

Sürgönyezim: EGYENARAM.

TELEFON 3-52, 3-53, 3-54.

Mr. Thomas A. Edison,
Edisonb Laboratory,
Orange, New Jers

Orange, New Jersey, U.S.A.

My dear Sir:_

I beg to inform you that I have put mydelfe

in touch with the German Edison Storage Eattery Co. regarding the adaption of your storage battery in place of the Tudor lead oned we use in our automobiles, and they have made us a proposition that is not practical or feasible to carry out with our type of autos.

Instead of the 44 lead cells that we have in

each of our autos, and which are all placed in one trough that has its place in the front of the auto. As you will well remember and which we showed you while here, the German Co. have proposed to us 70 cells of your type A 6, of which only 28 find room in the trough, while the rest they ask us to place underneath the chauffers seat and under the seat in the coupe which is simply impossible. The chauffer, I may mention needs the box under his seat, while it is out of question to put anything under the seat in the coupe.

The one great advantage of the battery disposition in a trough at the front of the motor, is that by a single manipulation the whole battery can be taken out or replaced again, and

it is not necessary to handle any other part of the auto, thus insuring the coupé against all risks of damage or excessive usage.

In conclusion I may state that the question of finding a suitable bunk in existing automobiles for the disposition sof Edison cells, which require much more space than the lead type, must be studied better, and ways and means must be found so that trials can be made in automobiles that were not expressly built for them.

I remain.

Yours very truly

BUDAFESTI ALTALANOS VILLAMOSSAGI

RÉSZVÉNY TARS 1849

Chemi de Fodov

Jouland better do nalling with Cabo well

you had better do nalling with Cabo well

y get machinery viewby to make my Cab type

of Cattery of develope a Toyreab for dendono

Cario which I can not closing

which will be princted to

Mr ,20-11

Edio on.

new 40

contract 1500 cells Paris.
omnibuses listprice 2090.
cliscount let me make this
contract wire when you will

Bulin

Bergmann

furnish tuling,

Connot do as requested abready have closed with Paris parthes to work france or also in England-

The need tray is a fine

Tensonal - Justen Bergman = Itald you in Berlin that Kennewhoff was have that your men sould conte him a get any information about new things you wanted I tald you about new ballery Oresto, The facet is Bergmerenn your men don't take a doandage of their opportunitions, you better go over theme & racine hall, for must know that we were very being and don't know what you want - your men must cash & coz week give full information arend I model of you are quest

unprovendent as the kallon of the Cans are raised off Metattom 1/2 mah 9" there will be very little trouble from crash awarent in wet places + Theose tell your men not to offer ballon outside of I falmony or austria Aungan as I am shipping a large number of Cello to London of Povis colors I will keep a permanent supply -I lave connections over there that we very good and from the recent which I Exect They will get you will

denive quest advantage Greaux they will show The best way to sell the goods. They intend to use the Gateany to bring out some things which one rather large affair. The Cattery Gening a minor goot. most of the applications will be to things where Lead 6 alternes are unpowerable - Mount of Varis is one of the Teahnical men = from their efforts you will get without cost The best lines for operating ulfermany = 9 sell the 6 atterior, 7013-Loudon & Paris as they are taken from my stock for spot cash = I know itelat profit

Jam going to make it have only one man to pay - He forms the batteries up + ships of the batteries pay for Warehouse tall others Experies he has taken another building You should have your battery man write Walter Holland our Electricean of

Callery (o for Explanations

cefall Kind, about Lithia -

Hatroff Coming out of pockets

Most of the stuff is the nickel oxide in the little indent outside

of the Tube which sticks in in fleling the lube with machine nothing should ever come out of the tube treef Except in Cases whose they have reglicated to put the right almount of tithia in cloken the Cell is first farmed. If they make mustakes hove Some afthe water in well work out of the Cells will not be as high as They should be & we consider this so important that the addition afthe Lithia in The factory forming is Charles by 3 defferent

ruen = Our tests here show that it is safe Certain that trucks ballons Can be guaranteed tor 3 years all our long Endwance teals show. 4 years actual use in Hedra Cos Fricks which have now Gren running wolling 21/2 moullis cef 3 years Still have their full Capacity Lotely of am quantitient the dallary costs 100 the process of years to go wanted to years to go wanted to rate of Capacity. If it fails within 3 years they get back 25% of the 100% their gaid -

The atter day I went over + vpcut /2 Day with your old friend 100 Ehret I sold him bullances for 7- 5 Ton trucks A12-+ gudnanteed for 4 by Couchast do augthing there + & it will to file out colly = WE found Ehents Elachician would not und They were no good or a lot ar other lies - Ehret investigated a found has acon man was la partner in the Concern that bold hum all his 6 allens

The old man got his dutch up & told his man that the wanted to keep his b6 to get out a Relic Concern & that here often he was going to usa Edwin Callein Exclusivales We find that the Electric & Bate Co of Phila make a diequelans privatice of brising the delivery dept officially growing of compa ou Gallers of 15 dollars for Each renewal = of course & had no show against the kind cal Robbery - but three Concerns Wave descharged Their suption Hearn & Co had their men in Jail - 9 am Tald by a man

who waked for Tudor Co in England offering About guaranteing by mileage that their do The same don't do it - you then guantes the truck, generally the trucks Thing = Ethnik that its a The hung forme decans dohou I whearth it, The Consern never will buy a Lead Calliny againt y S In Chemorning I will see about the popular the tube mentioned in Nov 68Kign SECCe = ballong Even at End of 3

are rattery Just quarantes the lie battery will at the End of 3 years 62 capable of giving within 10% of the Rated Capacity note the word Capable the means. that on account of duty or bad water you May have to change 15 or 20 menters more at End of 3nd year-that has not anything to do with the mule ague of the truck 6 scause The

years always has 20 to 25,

There capacity that what is usually used they need not change any more as they usunly door alongs any way = after you have been doing busiless for Couple years or my the thousands and Crucks over have have passed The 23/4 to 3 yrs all right you counging antes to 4 years que (on = Eherts dead & allen Last 9 months, that is the ownrage of laindrade - He use 5 Tou trucks 4 to havid on Lead 600les but just what we want for

Regarding the clam about gowant is in Beach book Thesedes your Engineer can easily fun that out borchoul lording us to give hum information about your Caro con never sais. Why don't he ask us the Dobat the drop of vallage would be at a NO4 wires from Bargman to Rathnews! affece well-100 au f there is from to escart proper wich a request that we should forly and from grange the Exact destance, believen Honorable Bengman of Honorable Rathrans affine Zam Patery Forum

Nov.20/1911

Fr. Harry Miller

In accordance with your instructions we have to-day cabled to Mr. Bergmann, Berlin, as follows:

"DISCULPA AS REQUESTED CATCALLING WITH PARIS PARTIES TO WORK FRANCE AND ENGLAND EDISON"

which translated reads;

"TE CANNOT DO AS REQUESTED. HAVE OROSED WITH PARIS PARTIES TO WORK FRANCE AND ENGLAND. EDISON."

WALTER PREVENS

FHF/CRR

FILE BERLIN OFFICE.

COMMERCIAL CABLES

26 NY N 28 X Collect CB New York Nov 20-11 Thomas A Edison Inc,

Orange NJ

ret. 200 Orange 209 Main St., Orange, N. 4. Edison New York. Can secure definitely contract fifteen hundred cells paris ommitusses listprice twenty percent discount

let me make this contract . Wire when you can furnish tubing

Bergmann Berlin

Battery Toreyo

Trauslation.

Mr. Generaldrektor, S. Bergmann, Berlin.

Dear Sir :-

written to Mr. Edison on the 6th inst. and a latter of the Butshe Edison Anoumalatoren Co. written to me on the 8th inst. Mr. Edison gave order that the following should be sent to you:

l cell A-8; l cell A-10; l cell A-12; l tray for 6 A-6 , without cells, including holders.

For the new construction of the trays it is necessary that the cells are dipped in an insulating material. Besides that the holders for the cells must be made. Regards information for making the insulating stuff, Mr. Edison decided:

"And say that we will send over the formula for the black dope soon as we are making a change in its composition and application."

Therefore it is not possible today to give you final information regards the new trays or the kind of insulating dope, but this is to be done after Mr. Edison decides so.

fact that it will be simpler and include less loss of time if you give a formal order in case you want any semples like the above mentioned cells and tray. If such an order does not go with your letter, some loss of time is un-ordeble.

Regarding the question how much Lithium should be nut in the "A" type colle, Mr. Holland already wrote you a letter and I furthermore gave him your letter of the 5th inst. on request of Hr. Edison.

Mr. Holland said that he wants to wait for an answer from you on his letter and that he then, if necessary, will take this matter up again.

Mr. Holland thinks it absolutely impossible that your cells should have suffered, because the renewing-solution contained instead of

j.

15 gr. of Lithium per liter only 11.2 gr. and he explained that the cells, which are running here, have been treated according to the former description nearly two years and no doubtful results whatever were experienced.

As for as I am informed myself I can only confirm in Holland's twe, it is of the greatest importance that the first filling of the cells be made in the right way. If that is the case, it is not possible, that the amount of lithium can become so poor as to cause a falling out of the hydret, as long as there exists only a difference of 4 gr. lithium in the solution which serves for the renewal. Not only the lithium in the lithium in the lithium can be expeated by the server of the renewal. We will be speak against such a possibility.

Yours very truly, Signed: M. Kemmerhoff.

Deutsche €dison- Akkumulatoren-Company G. m. b. F.

Bank-Conto: Deutsche Bank, Berlin.

Telegramm-Adresse: Edisoncell.

Fernsprech-Anschluss: Aml 2, No. 873.

A. B. C Code (4th u. 5th Edition)
and Lieber's Code used.
Bnn/EMR.

Berlin D., den Nov. 29th, 1911.

But a final

Mr. Thomas A. Edison, Llewellyn Park, Orange, E.J.

My dear Edison:

I beg to confirm our exchange of cablegrams as

follows,-

tions.

*Gan secure definitely contract fifteen hundred cells Paris omnibuses listprice twenty percent discount let me make this contract wire when you can furnish tubing** Bergmann;

"We cannot do as requested have closed with Paris parties to work France and England" - "Edison".

and am also in receipt of your letter of November 7th.

As you will have noted from my cablegram, we had an opportunity of sequring a contract for 1200 to 1500 cells for automobile buses for Paris and this would have been a good chance for us to make a Dollar. Perhaps you will still see your way clear to permit us to work France for a few years? Itis with great regret that I have stopped our Paris negotia-

Rnclosed please find a translation of a letter from Mr. Rathenau's concern, which speaks for itself and from which

Deutsche €∂ison-Akkumulatoren-Company

Mr. Thomas A. Edison.

_ 11.29.11.

you will see that they are not interested in your battery. I never heard a word from Mr. Rathenau personally since, except what I wrote you before, simply that he turned the matter over to his Manager Wolff, who is in charge of the Automobile Department. I am going to write Mr. Rathenau to return the Beach catalogue and will floward same to Mr. de Fodor in Eudapest, in compliance with your wishes. I have already written Mr. de Fodor in regard to this matter.

You are quite correct in stating that we do not need the hydroxide and we only desired to use this in order to work up our materials on hand. We now have several orders for Austria and Hungary and are sending you herewith our requisition for

200,000 tubes

to be shipped in four consignments, during a term of three months. Kindly arrange that this order is executed promptly, as this is of the greatest importance to us.

I have noted your remarks with regard to the iron very carefully and as the difference in the cost of this if produced here or produced from America is so slight I have given orders that a requisition for

3000 lbs.

iron mix be sent you and should be obliged if you would see to it that this is sent along promptly.

We are also sending you by registered mail a check for \$4411.38 in settlement of our account outstanding, up to October 1st. -2-

Deutsche Edison-Akkumulatoren-Company

Mr. Thomas A. Edison.

11.29.11.

Purther, we beg to call your attention to the fact that up to the present date, we have not received a confirmation from you for the order for 50,000 tubes, contained in our letter of November 7th. We trust, however, nevertheless that this order is well in hand now and that shipment will be made as quickly as at all possible.

should esteem it a favor if you would issue instructions that our orders receive prompt attention and trusting to hear from you when delivery will be effected, I am



Please telegraph me what has been shipped.

s.B.

[ATTACHMENT/ENCLOSURE]



2530, 1911 Vm.

d. 24. Nov. 11.

Drontheimerstr. 35/38.

eutsche Edison-Akkumulatoren-Comp.

z.Hd.d.Herrn Generaldirektor Bergmann, Berlin N.20.

DIREKTION.

Sehr geehrter Herr Generaldirektor!

Ich besitze Ihre gefl.Offerte vom 23.v.K. und habe die in deresiben au geführten paten eines genauen vergleiche mit den von une bielang verwendeten Bleibatterien untervorfen. Hierbei hat sich horausgestellt, dass, abgesehen von dem bedeutend höheren Anschaffungepreise, die grundrläche der Batterie so grosse Dimensionen aufweist, dass es unmöglich ist, eine passende Batterie, z.B. in unseren Droschkentyp einzubmuen. Ich sehe mich daher zu meinem Bedauern gezwungen, von einem Versuche übzusehen.

Die weiteren Mitteilungen über die Arbeitsweise der Batterie haben mich in hohem Masse interessiert und ich sage Ihnen hierfür meinen werbindlichsten Dank.

[ATTACHMENT/ENCLOSURE]

Mit dem Ausdrucke meiner vorzüglichsten Hochach-

tung, empfehle ich mich, sehr geehrter Herr General-

direktor

als Ihr ganz ergebener

lwy

Schf/Kn.

[ATTACHMENT/ENCLOSURE]

TRANSLATION

Neue Automobil-Gesellschaft, Berlin.

Berlin-Oberschöneweide,

November 24th. 1911.

Deutsche Edison Akkumulatoren Comp.

Attention: Mr. Bergmann, General Director.

Berlin N. 20.

file

promtheimerstr. 35/38.

Dear Mr. Bergmannt-

I am in receipt of your quotation of the 23rd ult. and have had a careful comparison made, between the data contained therein and the lead batteries used by us up to the present. From this we have ascertained that apart from the much higher cost, the area of the battery is such as to render it impossible to find room for a suitable battery in our type of osb. I am, therefore, to my regret, compelled to desist from making a tost.

The other particulars, concerning the mode of operation of the battery have interested me immensely and I wish to express my best thanks for same.

With the expression of my very best respects, I beg to remain, Bear Mr. Bergmann,

Yours very faithfully,

(signed) -illegible-



MACHINE DEPARTMENT

Ban/BER

JE: 53

Mr. Thomas A. Bison, Libertlyn Park, Grange, W.J.

My dear Bisent-

At your request I here asked Mr. Esthermu to return the "Beach" estalogue, as seen as he was through with it, in order that I could forward same to Mr. de Peder in Redsport.

After lengthy correspondence and trying to permunde the Allgemeine Elektricitaetagesellschaft to requisition can of your batteries for trial on their electric automobiles - they have ever a hundred running here in Berlin - to show the difference between your battery and the lead battery, they have declined to do so, as I wrete you several days ago.

Redeced I as coming you original latter from Br.
Retherent and a translation of case, transmitting the MANCH estalogue.
Your friend Retherms has been very careful and not committed himself
to the extent of one little weed about your bettery.

BERGMANN ELECTRICAL WORKS (MACHINE DEPARTMENT).

Mr. Thomas A. Mison.

g - 8.13.11.

I did not expect that Mr. Rathenau would order any batteries, but thought that out of grantitude and respect for you, he would, at least, have taken the trouble to give the battery one fair trial. I informed his parties that if they desired to make a trial, I would be willing to furnish them a battery and they would not have to my a cent for it and ould return sene to me, if not satisfactory, but they would not even do that to meet you.

I have just seen the enclosed picture in one of the magazines, illustrating the great event when you were with your priend Bathenen and thought it would probably interest you.

Your letter of Hevember 20th, I will memor fully in the course of the ment few days.

With kind regards,

Yours T

Negmuns.

Anlager

ALLGEMEINE ELEKTRICITÄTS-GESELLSCHAFT

Direktion.

Friedrich Karl-Ufer 2—4.
BERLIN NW., den6. Dezember 1911.

Sehr geehrter Herr Generaldirektor.

In höflicher Erledigung Ihres Geehrten vom 30. v. M. reiche ich die mir s. Zt.

freundlichst überlassenen Unterlagen betr. die Edison-Batterie mit verbindlichem Dank

ander wieder surfick und begrüßse Sie mit ergebener Hochachtung

A Mallum,

Herr Generaldirektor S. Bergmann

hier L.V.

Allgomeine Elektrheitasts-Gesellseinft,

Priodrick Kerl Ufer 2 - 4

J.S. Bo.S. 2019.

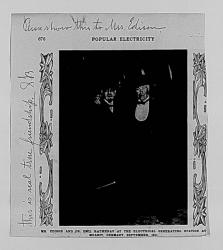
Berlin W, December 6th, 1911.

near Mr. Bergmann!-

In mply to your esteemed letter of the 30th ult., I beg to return herwith, with best thanks, the papers, etc., encerning the Mison battery, which so kindly furnished me, and remain

Yours very truly, Dr. Rathenis

Hr. S. Bergmann, General Director. Berlin NV.



Ours show this to Mrs. Edison



NR. EDISON AND DR. EMIL RATHENAU AT THE ELECTRICAL GENERATING STATION AT MOABIT, GERMANY, SEPTEMBER, 1011

Dec. 21, 1911

Mesers. Bachman & Boo:-

I um today advising Mr. Borgmann that 100,000 Tabas on their order filts of Hovember 20th, will go forward on January 17th, 50,000 acre on Porrary 2rd and the balance of 50,000 on February 2tt. and the balance of 50,000 on February 2tt. But will bring delivery well within the three months period requested in their letter of Nov. 29th.

T. J. LEOMAND.

TJT/AL

Restanting to the stand

Dec. 21, 1911

Deutsche Edison Akkumulatoren Co., 35 Drontheimerstrasse, Berlin, Germany.

Gentlemon: -

we begin confirm formal admontates must of your order 1828. Revember 50th, referred to in yours 1828 in 1828 and the following the instead of dividing 200,000 tubes in 4 shipmont during a poriod of three months, we will ship 100,000 no January 18th, an additional 50,000 on February 2nd and the remaining 50,000 on February 24th. This will bring it well to like of the order 1828 and 1828 a

The price on the Mickel Tubes will be \$3.972 per hundred as quoted you by Mr. Eddson in letter of Oct. 12th, and price on the trom Mix will be \$6f per lb., packing and freight to New York extra. The advance on the price of From Mix were the old price of \$8f expresents a proportion of the royalty of Mr. Eddson, of 40p per A-4 cells.

In your remittance of \$4411.30 exceptly reocived you failed to enclose the bills covering auto hire
of \$1100.00 incurred by Mr. Sdicen on however me auto hir
and bill for \$246.50 km. Sdicen on how he had been
and the form of the sdicen of the sdicen between
\$255. We requested that these bills be sent us in our
letter of October 12th and expected to receive them with
the mest remittance. You will appreciate the necessity
of our having them before proper credit can be made to
your account and disposition of the items at this end.

We assure you that prompt attention will be given to the order now in our hands, as well as future orders.

Yours very truly, EDISON STORAGE BATT RY COMPANY

Office Manager.

Edison General File Series 1911. Battery, Storage - Railroad (E-11-22)

This folder contains correspondence relating to the use of Edison's alkaline storage battery in railroads and locomotives. Most of the letters pertain to the electrification of terminals in Chicago. Several items concern visitors to West Orange and experiments with Edison's locomotive battery, Among the documents in Edison's had are draft letters to consulting engineer Horace F. Parshall and to Louis A. Ferguson of the Commonwealth Edison Co. in Chicago. Other correspondents include Edison's chief engineer, Donald M. Bliss', C. Pickard, a developer from the Canadian Maritimes; Gibbs & Hill of New York, consulting engineers for the Chicago Chamber of Commerce; and representatives of the Baldwin Locomotive Works.

All of the documents have been selected.

Horaze Bathery -Radnovdo





How York, January 17, 1911.

Mr. D. H. Bliss,

DEar Sir -

Orango, H. J. Jumy

Orange, H. J. /

on discussed with well that

As I will have to solve to by announced the particular of the second intending to interest others with no in according attaneounced by the Prince Edward Island, it has occurred to set that it would be of control siderable adventage to have a personal letter from it. Side on Italian Siderable adventage to have a personal letter from it. Side on Italian Siderable adventage to have a personal letter from it. Side on Italian that he had discussed the matter with no end beling its complete on the case grades on the line running from solventile to the complete the feel of the second siderable of the line of the second siderable of the secon

You can guite readily understant that this is very necessary when I state that one of the leading and very influential presenter in lieutreal, and who is very largely interested in electric propositions in louth america, lectric and californic, laughed at the idea of storage batteries.

If you will kindly talk this matter over with Mr. Edison and, if possible, have him write a personal letter bearing on the subject. This with the information which the other departments are going to send me will very materially aid in carrying out the undertaking.

I will be at the Manhattan Wednesday and Thuroday. Again thanking you for your kindness, I am,

Yours very truly,

reenmens Sussan, Sussanna HBwB. Johnson; VerBust and Timswer uclain General Superintendent tamuet M. (muctaur; Smrst), tapaintentent: William de Kraftl: Geretorumt Sst. Tims:

Philadelphia, 40y 23, 1911.

A. H. B.

IN REPLYING PLEASE REFER TO ABOVE INITIALS.

Mr. Thomas A. Edison.

Orange, New Jorsey,

Dear Sir:

Kindly refer to our conversation of the 16th regarding heavy storage battery locomotive for terminal work, find it necessary to work up some preliminary data on the complete electrification as quickly as possible and will thank you for anything you see do downeds hunrying the necessary figures. on the battery.

Thanking you in advance, we are,

Mery truly yours. RAI DWIN LOCOMOTIVE WO

Sepathin your sign Ballwindo co cooking loack all that was taken cut Craw steps from the Kico to the My nient core at It of going, I personally Your + so on have gone entitle sense of thorse Chargang Coth ends scheme to ascertain of it is a loweres Only take out 3/5th possibility. My conclusions was that if done in the way was a way of Capacity on each that it will be a higher run so as to det rapid practica @ Perconmenteral and con Charge rate with four Loco with battery for 900 horse Economy French for Emerging lick organic character of Swall Cells to 62 used for 30 minutes over the 10 to get radialing surface miles at rate of 1500 House to get cooling from Dower Then run od seding fair to prevent too goveal charge to wenter to pute

refuces Cattery to 1/2 what it could be up only Jut up clarious + make it Memmeloes In this way cost of Electrification no water The use of the Electric how great or complex is refuced docon to Loco releases just that squall balleron there is neary near steam (0000 no other mockement for the reason that the Commenacracos over this route, hence stations now in aproting (here is no macker here are abundantly able to supply for move Consent than well son It resolves itself down to one tem, that is the only be used a cost

a rise of desependence

Chay at leath end

so low that the RR

Co could not powerly

Cost of Electropin Cost but Kuck it would Chicago RR is princheading 62 around 48 @ 53 dalle per house power hour the Cost of someny based on a I hour gets of 6 access of discharge rate, the Cost of running as far as we know now from in The deprecention interest the Endurance tasks, they of Current for these ballaries will give within 10% of WE have only beaut a few The rating over a pariod rapid chose advanta rata cof 3 years they can then be trungered to another

The laying on the Loco nat required so ording (40 or 50 minution much power aran only weams that argent for cenather of years Extra Locas wand or at End of 3 years be necessary over + cologos what would be the the positive plate of there we are but alotted Cambe renewed for 1/2 warling for change of the original cost making Cost Bay while daling there is \$ 78. per HP hour ader proetically no depresenta benen it was resolved a period of 6 years or 13% clepus. I on the transfer Iself into a question of wheal on the idle

The scheme of Electrofreeter secret, lands itself to a gradual Electrification without must 62 doculamind 4 any disturbance or that I am tooling the range of the clames to wit bow low Can I keep the Iceceperate of costly Errors, This feation of taking on Current at End of Skeel by small reces to by short trip as a loco use of renduling fans would take on Coal a that we will lot you water is in very openion

moastment,

the peoper or communed way to attack The

There is only one thing that

of the battery down by manasing tudiceles per

Know as soon as goverely Please let nee Know of your wrong rwhere I am wrong on the General idea -

Baldwin Logemotive Works.

William L. Sustine, Besident. Alba B. Johnsen: Verbest mot Tummer: Samuel M. Vauclain; Vernol, Superintendent. William de Krafft, Sureinzund Set. Tuns:

Philadelphia, May 27, 1911.

Mr. Thomas A. Edison,

Orango, New Jorday accounted that were the

Dear Sirth

We have your letter of May 25th and the scheme outlined therein seems attractive from our point of view. It yet remains for us, however, to do more detailed figuring which will involve the approximate weight, affe, and mumber of cells of battery required. If your engineers are not already working on this will you kindly see that we are supplied with at least approximate figures of this kind.

It now looks as shough it would be more desirable to carry the whole battery on a separate tender which sould then be entirely disconnected and a new rully charged one substituted. This, of course, would have the advantage of keeping the same 'locomotive and ongine creat in service.

Awaiting your further advices and thenking you for the useful information so far given, we are,

Very truly yours,

BALDWIN LOCOMOTIVE WORKS ELECTRIC LOCOMOTIVE DEPTRIMENT BS. Stredier

(Mab/30

Ford, Bacon & Davis, Engineers.

S BROADWAY

JUN 12 311

New York, May 31, 1911.

Mr. Thos. A. Edison, Orange, N. J.

Dear Sir:-

Thinking that it may be of interest we are sending you under separate cover, copy of the report which we have made upon the service and equipment of the Philadelphia Rapid Transit Company for the Pennsylvania State Railroad Commission.

F.R.F.

Very truly yours,

Thank them for the one of the bast supports I have ever read,

Say come to Laborar BS-Streeter any Time our wice tack East Grange The Jane 2nd 1911 over the proper described Thuo. a. Edison Eng Grange, Try. Den Dir: -I have griends from Oklahome his stills greated they who are subserving to funner and intremakan pailway lies between Oblahour City and Shawace Obla. to miles and I would like to talk with your or your representation about your plongs bottom Caro. With owhead equipment and sut power platienes eliminated this line could be built exclusion of equipment for a little one 300,000 so metters are now and sky have bonus and stock pulsoreptions for nearly that amount. The line from me operating stand bout is as winness ded it is an easy matter to finance equipment. The lies will need about 8 or 10 high speed cars and one or two locometions and as it is in a rapidly growing section and one which is well adoutised it would peeu an ideal place to put your caro in quation. I have permally gone one the line and an familiae with the territory and so an engineer of experiences with such lines I am sure of the results.

f you are really to hards high pound and heavy equipment I can think of no tettes place to thete in the tourst than on chis his said it is quite provided, that on' and really and the honor of an appreciate an early reply and the honor of an appreciational yours truly

M.E. Milliutedt

12 terror Pl
Land Grange. Tof.

Both Robot to: Thurt G.

-1911 - Ball Stor hander -My Dear Parahace, Jan W the chicago terminals -31 RRoada Junice can Sweet the Current wellow offeeling his sugnear Keccut unprovements with battay low tolony offeat Extent have put a very defferent complexion The Eccerie Locor replace onthe cohole scheme, a new & release the steam laces Exach is opening with Electrical There is no 3rd tail or Casiner of I believe of Enormour Complication the whole Esteut? & To give you a glimpse. theing come doesn to I stale that I propose To mostrumel & dasoccalem furnish a tender of one car of ballery = only = Stacked to an Exectic Neco containing ballery place of a funky welkout which will absorb 800 house disturbance - The Electric Dower of 45 menuter of gros it Zone we Chicago is to be out at the rate of 1 1500 10 miles from the Center -HP_ This is for the the Lunt referred to to Baldwin Loca works for Electrification of all 6= 20 miles hour, the weight of Frain 1250 Ton

I am colain this wece 62 as success-

On the aller hand our an frolly road oil (Doubley ton DC 4 miles clong with 80% grades The otorage batter)

Can beaves the Gam beam of 6 am fucey changed

the Earn at 12 who will also where Charge

End a cox raw the Current in as t makes the tryo williamle drawing out the primaril change

The all idea of Carnying change for the wohole Day to Exploded. I am drivery

a one horse but clay delevery coagon with only 16 Cetts 20 Vect

mater, it starts changed in

the morning and hight to fuce, changed when does work a very they boost at high density

Every time they come in

for a load = This vehicle cells for 1000. Have said a battery for sufmanine 2500 HP chaying

Dulmavine 2500 HP Charguer 5 Hours desche Z house That a come Korkyon good count for out who

just got your theuking + one road at Concord Clap on, which and allat MC - has abandoned it means to have or to tralley = sulvable Gollong wheel I Lengmann had made a well takes in Enough Coverent un 10 miliones botch of Co Herman Co went whe as with ald (you to run the vehicle against my advise + proliet 20 miles - Etc. with, a wow has he capital to go a weight of about 50 fbs whend with new call, Hel baunt the slightful dea of per HP how; I shall hald off dealing with anybody the Value of the Cathery a count it see and for a cohile on & carrile there is here a beg Open for Grange for Grance - Treach Buttern Com is now down to 278 les per sealer pourages

PORM 8 18 1"

COMMONWEALTH EDISON COMPANY,

EDISON BUILDING, NEW NO. 120 W. ADAMS STREET GLO MO. 159 ADAMS STREET CHICAGO, ILL.

11 10 cl

June 8th, 1911.

Mr. Thomas A. Edison,

Edison Laboratories,

West Orange, New Jersey.

My dear Mr. Edison;

Following our conversation of last Friday at your laboratory in relation to the use of storage bettery locomotives in commection with our brench line from the main line of the Chicago & Horthmestern Reilway to our new Horthwest Station, I cm sending you enclosed an abstract of specifications for two 60-ton locometives which are already upon order from the General Electric Company.

I should be glad if you would look these over and advise me what battery you would propose to usefor this purpose, giving weight of battery; our and trucks to carry it; over-ell dimensions of same; space occupied by battery; and cost of battery and housing, complete, ready for the rails.

I chould be glad, also, if you would navige me whether you are figuring on your present type of battery, or the new type which you had in mind for this purpose as a finality, and if the former, when we may expect to obtain the latter type.

Flease give me the markeum capacity in kilometh hours of the bettery, and pileage with normal load; also normal and maximum rate of charging.

Yours fory truly,
All Wood Problems

L.A.F. HW

Abstract of Specifications for Two 60-ton Locomotives

Commonwealth Edison Company

1. General Design

steel platform carrying a steel cab and mounted on two articulated tracks equipped with standard geared railway motors. G.R. Company's outline drawing T-844150.

2. Running Gear

Four driving whoels and steel frame of locomotive type carrying draft gear at one end and connected at other and by hinge to second truck, the whole completely equalized.

3. Voltage

600 volts direct current.

4. Collecting Devices

Both underrunning third rail and pantagraph trolley.

5. Motors

your type GE. -207 standard, box frame, commutating pole, goared, railway motors.

6. control Equipment

Type "M" single unit, two master controllers, seven steps in series and five steps in parallel.

7. Capacity

A. At rated load of motors, tractive effort 15,000 pounds; the speed 8.2 miles per hour; total input 460 ampores at 600 volts.

B. Haximum instantaneous tractive effort for starting possibly 30,000 pounds, input 425 amperes per motor assuming 26% oo-officient adhesion. The tractive effort is equivalent to 1020 kw, at moment of starting, and after that an average of probably 300 kw. normal operation.

Louis Ferguson Jahn of plates with same coll hence its great d'hange + cliachy rate My Dras forquesa If you contemplace ceny your road within & mouth it would 62/ The Jocanion type of Cattery useless to wait for Could not be furnished for several month, I have only The new design, Thepresent one port tube felling made 1/4 wich tulk cannal which is very complikated and it require months to runke to made to charge more to twin out call rapidly though for Loco in quantily - The loca Confece hos tubes 1/4 Zdram workafrich in dia whomas The Truck or auto Galler have tubes of 1/4 male The small tubal permits of double the neturbar

OS- R.R.

Baldwin Locomotive Works.

William L.Austin! Residents Alber B. Johnsen! Vin Best and Tursurer. Gemuel M. Amelain! Genral Superintendent: William Jee Krafft, Genetaryanst Set Trans

Philadelphia, June 21, 191

周 22 到

Mr. Thomas A. Edison,

Orange, New Jersey.

Dear Sir:-

Kindly refer to our letter of May 27th and advige to approximately when we may expect the information requested

therein. We can realize that this may require some consider able figuring, but we are anxious to proceed with our layout as readily as possible.

Thanking you in advance, we are,

Very truly yours,
BALDWIN LOCOMOTIVE WORKS,
ELECTRIC LOCOMPTIVE OF PAILMENT,
BY

We are pushing the Experient as an fact as arrans as you are our problem seems to be solely a question of Keeping the heat down by blowing today was have a new solement of blowing so we'll lest traight

Form No. 260

THE WESTERN UNION TELEGRAPH COMPANY.

24,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD.
ROBERT C. CLOWRY, President and General Manager.

SEND the following message subject to the terms

July 17, 1911.

Boldwin Locomotive Works,

Philadelphia, Fa.

We have data on storage battery for locomotive. Euggest your electrical engineer come to Laboratory to get explanations.

THOPAS A. EDISON.

dr 107

PEAD THE NOTICE AND AGREEMENT ON BACK. .

My Dear furegeon Land you copy of letter to Baldion Jose cooks, while is Confidential - you can this talk over to say 1 / 1000

GROBGE GIBBS

GIBBS & HILL Consulting Engineers TELEPHONE TOO CHELS

New York

PENNSYLVANIA STATION December 7, 1911.

Salson, on a special Cartery surtable for 1000 liver.
Drange or Special Cartery surtable for 1000 liver.
Bor versey. Special Cartery surface for the Special Cartery.
Jose works, our work has been solely on the cartery turis of the Coco - O to

Mr. Thomas A. Edison, West Orange, New Je

As consulting engineers for the Chicago Chamber of Commerce

Committee on moke abstract we are considering the use of electric power for operating railway terminals, both freight and passenger, annutal to hire openic consideration to the latest development in storage batteries in connection of the electric locomotives, especially for rard switching purposes.

In a large freight classification yard there are, of course, difficulties in the way of installing third rail or overhead trolley, and the storage battery locomotive if commercially practicable for this class of service would possess many advantages.

We are writing, therefore, to ask that you advise us as to the feasibility of your improved type of battery for this class of service, and that you give us some Concral figures on capacity, weight and cost, which may safely be used in our present preliminary study of the question.

Such a looscotive of the type indicated should be capable of the same performance as a steam switching locomotive with four pairs of artiving wheels and having a weight of about 80 tons on the drivers. The speed of the locomotive would be from eight to twelve miles per hour, depending on the load handled, and it should have a maximum draw bar pull of approximately 40,000 lbs. The average load would, of course, be small as the service would vary from light engine movements to the maximum train above indicated, the majority of the moveof have no data as to the focumative itself-They regumed sufferent storage in the Gallery Can to suppery power at rate cof 1250 HPfor 1/2 hour delivering the people 10 nucles out of therty to the steam hours The love then draps to tender & pecks up a fructions a is heady to take a train balck = The drapped can is charged in 50 menutes gra then secondy to be used again - This aquation takes place atteach endy = our test shows that this Can be done, The whole moestment to Electrify will practically be only the battery tunders as Convent can be got 22 hours per Day Cy substation from the Eciatric Light Claswho wicesell very ahedp ton this reind afwork = The only denot to recal Covered by four ventraling well 62 of your want further altails well 62 pleased to give them

ments being not more than ten or twelve care. In the present case the average conditions would be equivalent to level track, but grades of from .5 to 1 percent would be encountered.

will you kindly advice as to whether you are in position to furnish batteries to meet the service conditions above indicated, and if so lot us have full particulars as to weight, cost, rate of discharge and charge, time required for charging and other information bearing upon the subject.

very truly yours.

bibba+ Hile

Consulting Engineers.

S/KRH/KWP

The Baldwin Locomotive Works:

George R.Hendersen; Censuling Engineer Miladelphia, December 8, 1911.
The only developements is un M

Mr. Thos. A. Edison,

which wo ness being hir do.

West Orange, H. J. 150 HP Storage Captoring

Last July, in company with our lift. Phile, I yishted homes your plant and had a very interdeting talk with you reservating your new storage battery which he every considering many your new storage battery which he were considering and produced an electric locomotive. A that they you give up disagram showing the charge and displants rate, with tomperatures, etc., for the C-8 cell.

Recently I have noticed that these batteries were being used very successfully for running street care, and I am now asked by the Chief Engineer of the Chicago Electrification and Smoke Abatement Committee to find out from you whether there are any late developments regarding this buttery, and whether you have any more positive and complete information as to the actual working of these batteries instead of the test cells upon which your experiments had been made last July. If there are any later developments or any further tests, we would be glad if you could send us a record, as we wish to make a report to the Chicago Commission on this subject.

Yours very truly,

Moderduon

Consulting Engineer.

Can trainfor 40 nucles hour, with The Cells of under Carrow Sen Theresums to 62 unlimited sale Caro to Reneways who execut to discard In on Paranoli lines span extraga a tenur consumption to of figure and the transfer and a speak formally the formal employed the conCublo Address "Edison New York

Trom,theLaboratory Thomas A. Edison,

Crange, N. J. December 15th 11.

Baldwin Locomotive Works,

Philadelphia, Penna. Attention Mr. Geo./R. Henderson--Consulting Engineer. Dear Sir:-

Your letter of the 8th instant regarding storage batteries for electric locomotives received. The only new development to date is in the manufacture of special machinery, now in the course of construction, for our 150 ampere hour, storage capacity cell, and of which we are now producing 400 cells per day.

Some improvements have also been made in the mechanism of the cell, and a number of experiments, now on test, show great possibilities for further improvement in rapidity of charge and discharge.

Mr. Beach has cars running at 35 miles per hour and he is now building some to go 40. In this case the cells are under the seats or under the body of the car.

There seems to be unimited sales for these cars to railways who want to discard steam locomotives on their branch limes.

Yours very truly,

Buchown loco cooks -

The is no new devolver into except, the Endurance texts how running on the special Colls for Laromofines a cofer some new variations to unprove the rapedly of the argo addressing

We have to about half functed the steer in maching to many to many to many to many to che daily 4 hape to have it in opportuning in 4 months

JUZ

Time ough

Edison General File Series 1911. Battery, Storage - Submarines (E-11-23)

This folder contains correspondence relating to the use of Edison's storage battery in submarines, torpedo boats, warships, and other naval vessels. Although there are a few items in Edison's hand or bearing Edison's marginalia, the documents consist primarily of type-written letters to Edison's from his chief engineer and representative in naval matters, Miller Reese Hutchison. Some letters are addressed to Frank L. Dyer in his capacity as vice president of the Edison Storage Battery Co. Other correspondents include foreign associates Sigmund Bergmann in Germany and Maurice E. Fox in Russia. Most of the documents concern attempts to elicit decisions by the U.S. government and rorlein governments regarding the purchase and adoption of storage batteries for naval vessels. Some items pertain to the comparative performance of Edison's end competitors' batteries. Also included are articles from foreign newspapers, which were translated on Edison's behaff during his trip to Europe in 1911.

Approximately 90 percent of the documents have been selected. The unselected material consists of unsolicited correspondence, routine letters of acknowledgment, and duplicates.

January 10, 1911

My dear Mr. Edison,

As a number of my calculations re-Submarine Battery, I beg to submit the following approximate figures:

The Type S-I9 Cell, consisting of I9 8 Positives and 20 8 Regatives, will weigh, filled with electrolyte, app. 509 lbs.

It will give 4788 Ambere Hours at a three hour rate, 7 hour charge,

A beat of the Cuttlefish Class, hering 102 of these calls will have bettery entire within where to feel out to of head bettery compying some tunks, after all fixed me on the head attended to bettery, such as centing quest with 200 graph and had beliant to rack up soften you.

one charge at a 6 hour rate, as appoint 30 knots (27.77 lunt tilten) on with the lead buttery at more rate, as a spoint 30 knots (35) knot kind with the lead buttery at more rate, or 70% invited of twill do even better with Midson bettery as motor rates for a rate of the voltage, and we can discharge down to 0, whereas lead council to low 10% volta without injuring calls. I should may be one do so land rates per charge, or 50% better than the lead.

On the three hour rate the lead does M2.74 knote per charge, and we can do 38 knote sure and M3.5 knote possibly, emistant to increase of 60% and 90% respectively.

If, within the next live years the life entime of lead only in use in more boates on set the heatery basistance of the present submarine boates as the life of the

6,218 # 39 Cells will contain of
59.367.600 % "tubes,
19.367.600 % "tubes,
19.367.500 km tubes,
17.137.360 Tron plates, (A size)
7quivelent to 269.904 A-6 Cells, the labor and
retrial of rounting the plates on large grids
being shout equivelent(*) to enthing our for
four plates of positive and 5 of negative.

Tours welling A-4 Colle at a price per actual Horse Power Hour of \$69.41 to \$69.41 to

turning the S=19 cell out in quantity, your production will have cut down your ovarhead exputee so that the ψ^a tube can be made for the same or possibly least than the ψ^a tube plate now.

The emisulent of 6,212 Type 6-TO solls in 2-4 colls is about 260,900 an unterful and labor, roughly entirated. On your present capacity basin of 300 A-4 cells a day, it would not prove it will take 3 % are and 10 norths to turn out 6,212 cells. The in therefore apparent that the business is worth poing after. It is therefore apparent that the Justiness is worth poing after. It has the additional advantage of being good pay and no bad collection account.

You will find all authorize bout and battery data in a note book in your dook, and out in my files. This will be added to see more acts mountained.

Bata percaining to subsarine boat taske oto, he seemed being classically from figures received from Sheetzle bout 50. (Notice they work up) by figures from the boat 50. The 6-7 cell data is supposited and deduced from figures of separately you may use.

Anter continue you will that the foreign of durant and putches the continue of man account and to the time the continue of the



Battery - Boot

MILLER REESE HUTCHISON ENGINEER SO CHURCH STREET

NEW YORK

January IO, 1911.

My dear Mr. Meadoworaft,

I am enclosing mass data sheets re. Submarine Cells.

I will appreciate it if you will have three sets typewritten about as arranged on the "Adder" sheet with which I took
more pains than with the rest. One set goes into a book for
Mr. Raison's desk, with the other data I gave you. The other set
goes into a book for my Submarine files together with a copy of
the data I gave you today. The remaining set of these there pages
I would like to have for ry pocket book, ss mine are made out with
pen and ink.

I may not get over to the Laboratory today unless that data comes in from Washington. I suppose they are sending it by mail instead of telegraph and I am anxious to check up on these figures as quickly as possible. If those Navy follows did anything in a hurry they would faint from over work.

I will be at my office practically all day after II A.M.

Sincerely.

Mildian spoke of guing a series book to particul them belles from the feether on the series to perfect on their the bound the surgest of the legal paper.

Buttery, Storige - Sub. 4

January 13, 1911.

Mr. Frank L Dyer, Vice Pres., Edison Storage Battery Co., Orange, N. J.

My dear Mr. Dyer, ...

I am in receipt of your letter of the 10th instant, and it will afford me a great deal of pleasure to keep you posted as to developments in my Many end of the battery buniness from time to time.

The next move is to build one of the S19 cells and subject it to actual submarine canditions. The loading machine for 1/8" tubes will seen be finished, and the rest of the work can be done by hand, without necessitating very many tools.

Unless the fortigm submarines operate at different voltages and have different bettery tank capacities than the American boats, and if it is not one size of cell, which in neight and width, will fit in the boats, it may be necessary to make an additional to the boats, it may be necessary to make an extended study by S for the "Addwr" class type of submarines for the United Study Eary, unless I can get the Daparkment to put 120 over the totors in them, in place of the 240 volt motors thay have now. This is the clear type of boat built, but there adv saven of them, and therefore the buttery renewals, in which we are very much interested, are long since due.

At the number of the present hatteries are being hought for submarines by this Navy. The present hatteries are being patched up and made to do, until our batters comes out.

I must say it has been a very difficult job to break to the political influence and lead place claim has bolland Boat Company has enjoyed up to the present the Himstefore the Severnment had to take a boat of the present of a battery the Holland Company want have a provided the boat would come up to her necessary to the present of the battery had been an always and speed on the trial trip. Also remeats such as plates, separators atc. had to be purchased from the Hestric Battery Company, the Holland people got their rake-off. The prace of such parts from both companies was the same.

I first succeded in pointing out and proving the allaince between the Holland Boat Company and the Electric Storage Battery Company. I followed this up by putting it up to the Depart-

ment whether they wanted to continue under this yoke or throw
the yoke off, and specify whatever battery they wanted to use in the
boats it wanted to use in the
boats it wanted to the proper plainly by the Holland Company,
boats in the property plainly by the Holland Company,
by the property of the control of the property batteries exclusively in this country, that we could not sell any
batteries to the Covernment. I dispred this assertion by going
to Washington and selling a complete submarine battery equipment
for the Cuttlefish, at an unnamed price, indefinite delivery
and indefinite capacity. I also burrowed the Cuttle delivery
or three months to experiment with country that the country
goes in. These emportances between the battery equipment
for its country of the property of the country of the country
thanks of the batteries must come up, or they will not be
allowed in the boate.

Up to the present time I have payed them dry for all information and tabulations, and therefore we are independent of them.

I am now sturting in to line up all the foreign subsarrines in the same number, and hope to have definite information at an early date as to the musber of boots, total number of subsarrine type cells needed by each country, sto., set have lined up the U. S. conditions.

Department, the request is surmestly repeated that we do all in our power to finish the Outliefsh batter; so that the tests can be completed end apporting them are the earliest possible date. We are all bending our energies to this end now.

I have been confined to my deak figuring over, and checking up on this submarine data, to the oxtent knat I have not been to call on Mr. Dyer Saith for further consultation regarding patents Mr. Rdison wants filed. I hope to be a little easier next wack.

Yours sincerely.

My dear Mr. Edison.

Herewith draft of reply to the Electric Boat Co.
When Spier reads this he will be interested.

I want to keep their friendship without allying ourselves with them, and have shown how we are being encouraged by the various Governments and the interest and confidence that exists in the aucess of the final outcome.

Polite way of saying, "we esteen your friendship but dont need you to sell our batteries".

Having failed to land us, they will next adopt the battery, when it is ready, and advertise that fact, to stand in with the various Governments. I have already gotten the U.S.Navy Dept. under the impression that the battery is much bigger than the boat in importance, and now they are considering building their own submarines.

If we only had the time to get out a submarine, it would be an easy job to clean the R.B.Co. up in a short while. They have got to make a hit in some way soon or lose all their friends. They see in the Edison Battery what they are looking for.

Sincerely,

January 24, 1911.

Mr. Thomas A. Edison, Orange, N. J.

My dear Mr. Edison,-

By the enclosed clipping, you will see that Mr. Flint is interested in a new submarine boat proposition.

Knowing that you and Mr. Flint are friends, I am drafting the enclosed letter which I thought you might wish

to send to Mr. Flint.

Yours sincerely,

Hr. Thomas A. Edison, Orange, H.J.

My dear Mr. Edinon,

We are about to come into possession of details of mahmarine and other Mayal matters portaining to storage buttery adaptation, from the leading Powers.

It is notice an extraordinary position to be placed instrictes resultant we, both placed on monor to preserve the strictest resultantly and hold in confidence and travelled the take every presention against absume that of your trusted nonwhile I have no doubt but the theory of the preserve and confidence as are as capable of preservation be very difficult to get the information we will show that the present and one other persons in the confidence than yourself and one other persons in a compact that thereasts, and such pressure he lived up to. I have also made the role of your assistant in this matter and the will therefore be necessary for me to get the information we need and assist cited to our application of it.

- If have had considerable dealings with Mavy men, and unless they get it straight from you that they can talk to me as they mus, they are going to hold back, and we are going to run chances of Tallang down somewhere.
- can send, with your signature and approved a cach case, to the Naval Attaches and I take them up, one at a time, for education in the battery detail, and usestance of preparation of the reports they will have to send to trear Governments.
- approval all lotters written by me to argue in connection with the battery etc., and danuse with you all mattern relating to adaptation or quotation before sending out and request your O.K. on copies retained for reference.

Sincerely,

[PHOTOCOPY]

Cable Address "Edison New York

From the Saboratory Thomas A. Edison!,

Crange NJ January 27, 1911

deut. Commander Carlo Pfister. D. I. 1400 New Hampshire Avenue, Washington, D. C.

My doar Sir:

I have your valued letter of the find fast. for which thank you.

representative, Er. Hiller Rocce Butchison. Employer, with headquer-ters here and at his private office, No. Sc Charles street, Der Fort, is in charge of the adaptation of my bettern to substrain and other requirements of the United Entres and all Profess having, now the trensact all business in connection thereoffs relating to the partial hattern and the substraint of the partial profess of the partial battern and is therefore, the mediation to advise you as to the best combinations can size of battery to met your nords.

It is because of a full residentian and expression of the confidence imposed by the text one Governments of neverther the confidence in the confidence of th

When we receive orders from you for betteries for your Hevy, we will take every precaution against any information as to the name of the purchaser becoming known to anyone except such bank or individual as you may designate for delivery to be made to.

Mr. Hutchison expects to visit Washington in and will, if you desire, call and discuss details of

Submernes (1911?).

mu Edison

you will find attached a
Sheet of companion between an
Edwin Submarine Battey and a
Tudor (German) Submarine Battey for
one of the Submarine Boots the
Electic Boot co. are to build for
a Forign Government.
This was addiced for submitting to
Spear by Edgar and is correct.

You will see the difference in cost for Equal capacity is 3.02 times that of the Tudor.

The Tudor got the order, saying they can put in a new Battery every year for trains of our 3 year grananter of 50% or Rated capacity. If we creed have quantered capacity for 4 years it would have made no show tetter

[ATTACHMENT/ENCLOSURE]

CCMPARISON OF TUDOR AND EDISON BATTERY. FOR DESIGN 43-A BOAT ELECTRIC BOAT COMPANY TUDOR TYPE 10-A-305 WITH INSULATION. EDISON TYPE 5-15x8) WITH INSULATION. EDISON TYPE 5-15x8) WITH INSULATION. CELL- HEIGHT, EXCLUSIVE POLES. LENGTH WIDTH, MITH INSULATION MEAN VOLTS & 3MR RATE 1.87 1.17 MEAN VOLTS & 3MR RATE 1.87 1.17 CU.FT. PER K.W.HR. 854 1.004 " 888 WEIGHT PER K.W.HR. 155.6 142. " 160. 888 COMPARISON AS INSTALLED IN TANK OF VESSEL WACH HAS A VOLUME OF 834 CU.FT. IN TANK. NUMBER OF CELLS NUMBER OF CELLS NUMBER OF CELLS ONLY PINAL VOLTS " 124. 192. MAINIMP PERMISSABLE TEMP. 100 FABR. ON PISCHARGE THE 100 FABR. NON PISCHARGE TEMP. 110 FABR. PRICE OF CELLS FOR ENTIRE 100 FABR. PRICE OF CELLS FOR 234.40°2 24.240°2 PRICE OF CELLS FOR ENTIRE TEMP. 100 FABR. AGIVEN TANK SPACE THE EDISON MERCHICES IN ACTUAL APPACITY 1.17 TIMES THAT OF THE LEAD. A GIVEN TANK SPACE THE EDISON MERCHICES IN ACTUAL APPACITY 1.17 TIMES THAT OF THE LEAD. AGOUR DAYS THAT CAPACITY THE EDISON IS ONLY 87% OF THE SAID TUDOR. GOVERN TANK SPACE THE EDISON MERCHICES IN ACTUAL APPACITY 1.17 TIMES THAT OF THE LEAD. ACTUAL LOWER OF THAT OF THE LEAD. LOW DAYS ALL COLUMNS THAT TUDOR AFO THE EDISON IS ONLY 87% OF THE SAID TUDOR. TIMES THAT OF THE LEAD. LOW DAYS ALL COLUMNS THE TIMES THAT OF THE LEAD. LOW DAYS ALL COLUMNS THAT TUDOR AT THE PEICE QUALTY UPON QUAL TUDOR AT THE PEICE QUALTY.				and the second s
THE TRIC BUAT COMPANY THOS TIPE 13-A-305 WITH INSULATION EDISON TYPE S-IS(0x3) WITH INSULATION EDISON TYPE S-IS(0x3) WITH INSULATION ELEMATH WIDTH, WITH INSULATION 16.5" 15.5" 19.6625 WEAN VOLTS (23 ARRAPE 1.87) K.I.M. HAS PER CO.FT. LITY WEIGHT PER K.W. HA. 854 1.004; " 818 COMPANSON AS INSTALLED IN TANK OF VESSEL WARD HAS A VOLUME OF 834 CO.FT. IN TANK. NUMBER OF CELLS K.W. HAS QBHR RATE 702.3 673.9 AT RATING. 8245 ACTUAL NUMBER OF CELLS K.W. HAS QBHR RATE 702.3 673.9 AT RATING. 8245 ACTUAL NUMBER OF CELLS MEAN VOLUME OF 834 CO.FT. IN TANK. VINDER OF CELLS NUMBER OF CELLS FORE 10.08 ARRAPT 10.08 ARR		CAMPARISO	N OF TU	DUR AND EDISON BATTERY.
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HEIGHT, EXCLUSIVE POLES. LENGTH VIOTTH, WITH INSULATION MEAN VOLTS & BARRAGE 1.87 ILTY ILT		EDISON T	YPE 5-15	(5X3) WITH INSULATION
LEMETH WIOTH, WITH INSULATION 14.3" 13.0625 14.7" 13.0625 KIW.HRS PER CU.FT. 1.17 L. AFRATING, 1.22 CTUAD. C.U.FT, PER K.W.HR. 854 1.004" " .818 WEIGHT PER K.W.HR. 155.6 142." " 116. PRICE PERKUHR 03HR PAIR #33.66 \$125" " \$101.15 COMPARISON AS INSTALLED IN TANK OF VESSEL WIND HAS A VOLUME OF 834 CU.FT. IN TANK. NUMBER OF CELLS 120. 192. K.W.HRS Q3 HR. RATE 702.3 673.9 ATRATING. 8205 ACTUAL NEAN VOLUME OF 834 CU.FT. IN TANK. NEAN VOLUME OF 834 CU.FT. IN TANK. NUMBER OF CELLS 120. 192. WILLIAM VOLUME 1024 110 FARR 192 100 FAHR TOVOR. NO DISCHARGE 1008 HS PRICE OF CELLS FOR ENTIRE CAPAC. TY 10088 HS 96000 US. PRICE OF CELLS FOR ENTIRE CAPAC. TY 2364002 71.49400 TANK GIVEN TANK SPACE THE EDISON HROGUCES IN ACTUAL BAPACITY 1.77 HIMSO THAT OF THE LEAD. LOW AUSD THE SAID TUPOR 87% OF THE SAID TUPOR TOR THE SAME K.W.HR CAPAC. TY FOR THE SAME K.W.HR CAPAC. TY 1000 AUSD THE EDISON IS 3.02 TIPIES THAT OF THE LEAD. LOW AUSD TUPOR OF THE LEAD.	CELL-			. /
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ATTACHMENT/ENCLOSURE

75 lles per KWH 10 A4 142 me Bulloun. is double the countilwith head nearly twice us he roy a steel a news much the kir to you chengther Cold colods Muse weight of 155 for lead a 142 for Zolum dricks fishy - I don't theirly this data will stand Moralegalion

Dear Mr. Edison.

Commander Vasuilieff is an enthusiastic convert. He had been loaded up pretty well by the lead people, and was somewhat skeptical at first, but I sailed into him hard and wound up where-circuiting sh A-4 for 122 minutes and letting him watch the armeter and thermometer. That convinced him. I suggested that he call on the lead weeple and get then to report the performance on a 150 A.H. cell. He smilled.

Before he left he asked me to send him a complete exhibition cell for putting on his desk in Wahtington. Also knother cell and a complete exhibition board for him when the format to be hung up in the War Bollogs, for the Hung Midhigmen to be taught from. He will start a course of instruction at once.

When I offered to write his report for him, ready for translation and forwarding to Russia, he was enthusiastically grateful. Enjoined he to necrecy about it, but will be glad to get it.

I have got the Brazilian Attache coming in a few dayswish those fellows could talk English better. Dence of a job to explain a battery to such a ran.

Thought he would nover get tired of locking, so I made him walk to the top of the phonograph building and into that wax room before he got him wind, and that finished him. Then took him to Forest Hill on the Beach car and Beach took him on to New York on the train.

He asked me especially to express his high appreciation of the photograph and inscription thereon. Maryeled at the handwriting.

Sincerely.

March 1st. 1911.

Mr. Thomas A. Edison, Orange, N. J.

Dear Mr. Edison,-

I have just returned from Washington.

in Edison Battery for portable and stationary talgraph apparatus, and sold them two B-2 and two B-4 implification suffits, which they are going to test and find which size is best suited to their requirements. There is every indication that only Edison Batteries will be used in future for this work.

and find they are very maxious to adapt the Battery to gun sighting and gun firing. I advised tan 1-2 cells in a 25% and they asked me so design up a local the the 25% put our trays into fire immediate market and the control of the results of the control of the

provision they are making howard supplying light in the magazones in case the ship light circuit goes off. When you stop to think of it, when preparing for battle, all bollers are being brought into commission hurrically, and sudden spurts or speed when manouvering for position, tends to lift the water in the bollers, (commonly known as printing) rating will effect in the bollers, (commonly known as printing) rating will effect have to use saw taker in a used to run a dynamo, much more than a large engine, causing sylinder heads to be blown off, and the lights to go off. I suggested that they install one hundred A-8 cells to supply their one hundred 16 c.p. lamps for six hours, and issue orders for the magazine lights to thrown onto the storage butter install one through the state of the suggested on and unaniously decided that fait of the suggestion and unaniously decided that faish Sattery would be par excellence for such use, because of the ability to registion care from tong periods. There is every indication that every Warship will be equipped with Edison Battery for magazine lighting.

are compelled to eary storage between the storage in the grant and fire gume at night. These batteries are not used except for such surprise, 1.e. once a year in battle practise, it becomes necessary for them to discharge and charge the batteries once a month to keep them in condition, and this, in the limited room aboard such a craft, is undesirable. The shility of the nattery to reatin charge, commends it for such work, and the Ordnance people tell me I am pretty sure to get all this business.

Hatteries can be used in the Navy, and only regret that I can not at liberty to work the Army end as well, as I am sure I can show immediate results. As I understand it from the New, and the results are sure to the Army, but whose progress has been supported by the Army, but whose progress can this job with a full head of steam, and am in as close touch with the Armies as the Navise of the various Countries. I whose you got the Navise of the various Countries. I whose you should employ a commission of the the Navise of the various of contribution in the land of the Navise of the various of the Navise of the Nav

Mr. Thomas A. Edison,

March 1st, 1911.

The Lead people are doing their best to harmer us, but I run down to Wankington often amough to talk with the Officials, getthese to put the questions to me, and refute the statements of the Lead people, by actual curves and data actual performance of Kilson Battery.

Sincerely,

CONTRACTORS TO H.M. OFFICE OF WORKS. ON ADMIRALTY AND WAR OFFICE LISTS.

1. VICTORIA STREET.

NIXON & MANNOCK,

GINEERO.

FPM/J.

elaphone No.—WESTMINSYER 6167.

J. 5rd March, 1911.

NO T BURY PAVEMENT HOUSE, E.C.)

NE 18 811

s.W.

Dear Sir,

since your letter to us of the 20th October last, when you were good enough energy to mention that you were building a large cell for submarines, to give heavy discharges and the first a large radius of action, for the United States Government, we have not heard anything from you although we again wrote to you on Pebruary 20rd.

We trust that your experiments have been successfully carried through, and we shall be pleased if you would communicate with us at your earliest convenience.

This matter has been on the tapis for our Admiralty since September last, and I am really anxious to talk business with you, which you express your willingness to do in your last letter to us.

Trusting that we may have the pleasure of a communication by return of mail,

We are, dear Sir,

Yours very truly,

Nixon & Mannock.

Train Pyr Manner

Thomas Edison, Esq., The Labbratory

March 25, 1911.

Messrs Nixon & Hannock, No. I Victoria Street, S.W., London, England.

Gentlemen,

Your letter of the 3rd. inst., addressed to Mr. Edison, has been referred to me for attention.

At present we are not in position to take up the matter of representation in England on the Subsarine business. The manifested interest in the Subsarine Cell has been so great on the part of the United States and several European Navies that we have decided, for the present as everal European Navies that we have decided, for the present the lawal Attaches have visited the Laboratory and Estery Works and have, as a result, unanimously decided that the Eddson Eattery will be used to the exclusion of all other types in Subsarines in Atture.

The orders already in hand are necessitating a very large addition to our manufacturing facilities, and the outlook is most encouraging.

Should we feel in need of assistance in Great Britain, we will certainly bear you in mind.

Thanking you for your interest in this matter, and regretting I cannot make any definite arrangements with you at present, I remain,

Very tryly,

Personal Representative of Thomas A. Edison, in Naval Affairs.

Electric Boat Company. New London, Conn.

Gentlemen,

In the matter of supplying you with One Hundred and Ninety Two (192) Type S-45 Edison Cells, for use in a certain submsrine boat as outlined and discussed with your Mr. Edgar on this date:

date:

If, in charging, the temperature of the pilot cell does not exceed One Hundred (100) Degrees Pahr, and if, in discharging said cell temperature does not exceed One Hundred and Thirty Five (135) Degrees Pahr; the location of said cell to be at the most disadvantageous place in tank, as to cooling we will guarantee that each of said one Hundred and Ninety Two [192] Cells will show an output offighty Mine Hundred and Ninety Two [192] Cells will show an output offighty Mine Hundred and Ten (8910) Ampere Hours whem discharged immediately after full charge and down to One Volt per cell, at the two hour rate of discharge.

on the heatery is installed and operated in a manner approved by us, so will busher guarantee that the cells will be capabled of delivering Hanety [90] percent of original guaranteed rated capacity above referred to, at the two hour rate, for a period of Thirty Sim [95] months from the date of initial charge, and if within such period of thirty six months the cells fall below innety percent of said guaranteed capacity, we will replace the positive plates free of charge,

months from the date of initial charge the capacity has gone down to ninety percent of the guaranteed capacity of eighty nine hundred and ten ampere hours we will, if you desire, provided the cells are to be used in the same boat, renew the positive plates at a cost to you of firty (50) percent of the original price of the battary, you to furnish the common labor to camble our engineer to stake such replacement at such Navy Yard where the boat may be located.

The price of this battery of one hunfred and ninety two [192] Rundred Ballars (2805, 500), f.o.b. Orange, N.J. This will include the services of one of our engineers to supervise installation of battery in the boat, you to pay his travelling expenses and keep from time of leaving the factory until his return, not to exceed ten dollars (210.00) per day.

The electrolyte will be shipped in separate drums, which remain our property, and which are to be returned to us at your expense as soon as they have been emptied into the cells.

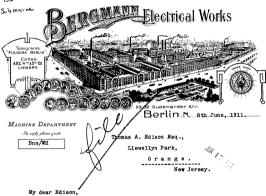
E. B. :). (2

Eight (8) months from receipt of order, provided such order is placed within six months from this date.

Yours very truly,

Edison Storage Battery Co.,

President,



I confirm my to-day's telegram as follows:-

"Can get order for two submarines for Italy, one for "dermany, 90 cells. Our estimate based on these at "two point nine cents each, as you offered us first. At "what price can you furnish three million twhee for this "order?" If we materially increase price, carmot obtain "order and lead batteries will be used."

I think this telegram is plain enough, but would once more impress upon you that, if you really wish to obtain these orderator submarine boats and thus introduce your batteries into the marine branches of the business, it is absolutely essential that you should keep to your old price for tubes, as there is, if any case, an enormous difference between the price of the lead battery and your battery, which people over here are not very inclined to pay. On the other hand, I think it essential, if your battery is to be introduced for

-2-

Thomas A. Edison Esq., Orange.

marine work, that we should not allow these orders to pass us, as this seems to me to be the last and only chance. If once the lead battery gets in, it will be a most difficult matter, if not altogether impossible, to dislodge it again.

All other circumstances are, of course, favourable for the introduction of your battery; the tests on the batteries we placed at the disposal of the Italian Navy gave very good results for the Edison battery as compared to the lead battery, the German Naval Authorities have promised us an order, provided the Italian batteries are satisfactory, and, if the French tests turn out well, as they are sure to do, we shall also probably obtain another order from that quarter.

In order to obtain theseprders it is, however, as I have already remarked, absolutely essential that you should adhere to your old price of 2.9 cents per tube, for which price you have already supplied us with tubes and positive plates, type A, as the increase from 2.9 to 4.3 cents would be absolutely fatal to the business.

As it is positively necessary that we should give the Italian Navy a final answer as soon as possible, I would ask you to cable me immediately on receipt of this letter (if you have not already done so in reply to my cablegram) whether you agree to the price or not.

Yours sincerely, Dunmann.

. .--

P.S. If you cannot supply the tubes for 2.9 cents, please state your very lowest price for same.

CB New York June

Thos A Edison, Orange NJ

Edison New York Can get order two submarines for italy one Germany 990 cells our estimate based on tubes at two point nine cents each as you offered us first at what price can you furnish

three million tubes for this order if we materially increase price cannot obtain order and lead batteries will be used.

•

Impossible reduce pencetubes, you are injuring future business by making loss prices in the major the prices except in your territory. In prices except hundred twenty first Kilowett hour for Eighth inch tube, large Tube not suitable for tetting summarines, devilated summarines, devilated summarines, and devilated a september on attains devices as explosion. Controller why don't you devilate business in regular lines and leave submarine alone until

[ATTACHMENT/ENCLOSURE]

BEROMANN

BERLIN.

THE BATTEVATE APPLICATOR BATISSABLE BY
YOU ALIZZATO SUBMARINE BATTERY OF ME
ATTOLERATA GROUND BELLHIED EXMOSIMS
BATCCHARAS SHALL TUBE SUBMARINE CRICENTEM
KWHOURS DELIVERED CAPIFOPOLO LARY TUBES
BOMASSUS BATAVIQUE MUTSICE TERREDOT.
EDISON.

[ATTACHMENT/ENCLOSURE]

MEANING CABLE WORD -Tube Tube Price cannot be reduced BATTEVATE Great mying has occurred APPLICATOR In consequence of low prices BATI SSABLE Вз BY you You Better hold 197 for the present and await Jurther developments ALIZZATO SUBMARINE Submarne Battery BATTERY BY There is gnor necessity for ATTOLERATA Sufferme fiveetin against BEILHIEB Explosions EXPLOSIONS Lower puce BATOCHARAS Small SMALL SubE TUBE Submarine SUBMARING \$ 12500 CRACENTER KW HOURS Kilowatt hours 3 hours CAPIPOROLO Large LARGE Zuks TUBES will not give BUNASSUS

Do mr

BATAVIQUE

TRANS-ATLANTIC CA	RT B. CHANDLES	
Tel, 200 Orange 209 Main St., Orange, N. J.	O. STEVENS,	Secretary
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Jeligram to Bergmann June 1911.

Fulgura Berlin.

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Ebraiche - Of June 9.2

Regarding Regarding
Submarine Submarine
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W.W. Fel. Cr. Ot of to Bullenglo.

Duelnen

Battery Storage - Subs. a. Bonto

Memorandum for Mr. Dyer.

June 22nd, 1911.

My dear Mr. Dyer,-

Confirming conversation had with you yesterday:

ment, that this man Courtney has been "knocking" the Edison Battery very hard, and that if he continues to do so, he will no doubt, do us harm. In justice to these Officers, I cannot give their names.

Statement was made by Countrey to Admiral Come, in prosence, that he middle matterly, when operated at an air temperature of the productive but 15% of its rated capacity, and the come of the up by stating that the interior air of Submarines often reaches 40° Furrenhoat, and that under such conditions, the Edison Ratery would be of shealthely no served within a Submarine. In rebuttal, I remarked that of the state when the air temperature when 40° Furrenhoat when the air temperature when 40° Furrenhoat in the safe temperature of the Furrenhoad when the safe temperature of 40° Furrenhoad in the buttery temperature of 40° Furrenhoad in the safe of the process of the safe of

The next remark in Aimstral Cone's presence was, that the Third Avenue Elevated that adopted the Gold Battery because of the grade the difference in cfficiency of the two cells, the difference in officiency of the two cells, that the Gold is co much more efficient, that the Edison was put entirely out of the running.

Burther statement was to the effect that a tost of almost a year at the Brooklyn Havy Yard had disclosed the fact that the dison Battery was very inferior to the load battery, other statements to the contrary notwithstanding. I expressed doubt as to the Proper method of testing of the fact that this carried on at the Brooklyn Evidence, we sent our own men to the testing and the weeks ago, and they made tests which show that the cells on, trial there evered by ten or fifteen percent the collection of a graphic so the collection of the state of the collection of the colle

The next remark made in the outer office, was to the effect that the Adams Express Company were disappointed in the Edison Cell, and were putting on lead cells much more rapidly than the Edison.

The next remark was to the effect that the tests and what else Courtney had heard of the Edison coil had robbed him of all interest in the matter, and that he did not consider it would be worthwhile to devote further time and effort investigating them for the purpose of putting them on Submar-

I have heard from several popartments that Courtney had taken the trouble tocall and talk with the warrious men commested with each Department regarding the Eddson Battery. Hisestatements were all derimental to the battery, and it has become a standing joke in the Many Department that Courtney has his hatchet out for the Eddson Claim.

Insumuch as this young men case to the Laboratory and spent all of two hours only investigating the Editon Gell, whereas, other Many men who have come down, have ejent anywhere spendings to four or five days investigating the same, at been did of which the they state that they could spend to a great udvantage three or four weeks. I do not think that he is. In possession of sufficient information regarding the battery to express any opinion whatevower regarding it.

As to any statements which I have made to Courthey or others in the Nawy Department, I have never made a statement which has not been talked over with Mr. Edison prior my departure for Washington. The great trouble norms to be that the Edison Cell is such a great departure from the lead cell, and bids fair to overcome, so many chiescitums to the lead cell, hat we cannot expect to have anything but stopicking, obtain for the cannot come, what I object to fact, and I do not think its made which are not been properly content of cell, and the one that the second content of the content of

If he would take the trouble to come over here and spend four or five days in locking into the matter, and would advise us as to these regards he is hearing saking for a rebuttal or acknowlegement of the atrocity of the same, we would give him the straight of it without fear or favor.

I do not consider it judicious to skim limithis matter in a way that would bring this man to court-martial; but simply to have him instructed to keep his mouth closed on both sides of the bensh, until we have had the opportunity of proving that what we say is correct.

I have made no claims of the Edison Battery, which have

not been justified by extensive tests made here in the Laboratory, by efforts in Washington cannot by characterized as over-zealounness, and we will have no difficulty in delivering the goods as I stated we can do. All ratings have been at 25% under actual performancy the same having been deduced by a large number of tests in the baboratory.

I also have no feeling in the matter, as, personally, I like Courtney very much, He is simply erratic, and not well balanced in exercising caution regarding his statements.

In taking the matter up further with Mr. Townsend, I would suggest that you refrain from referring to the fact that I good of the filling bunge of a battery at the Brocklyn Y townsen, when I called a few days ago. It may get the brocklyn that fellow into two block, each I have placehed up ahe matter to their natisfaction, and do not wish to have any prejudice existing over there.

Yours sincerely,

Memorandum for Mr. Edison.

June 28th, 1911.

We have in our possession, a number of blue prints furnished by the Many Department and which we are under obligation to the prints of the pri

I am referring to these drawings continually.

It would therefore seem that it will be necessary for me to have a safe of at least 48° clearance in size, in order that these drawings and new drawings which we are receiving from time to time from the Many Department, can be looked up at hight.

Inasmuch as I am using these drawings sometimes late into the night, it would not be feasible to lock them in some other safe.

No doubt, a second hand safe can be acquired in New York, which will fill the bill.

M. R. Hutchison.

Mr. Dyor:

August 4, 1911.

About two wooks before Fox left for Russia I wrote Commander Yessilleff, Russian Haval Attache, Washington, who visited the Leberatory, saking for a letter to the frontier officials so that Fox might go through unmolested with his suspicious looking butteries.

I received no reply, and got such a letter from the Consul here in New York.

When Fox arrived he found the Russian officials very much prejudiced against Edison Battories because of Borgmann's failure in manufacturing them.

I received a cablegram from Vessilieff on the 25th ult. acknowledging receipt of my letter, forwarded to St. Fetermurg, and asking that Fox call on him at once.

I cabled Fox to do so.

I received a cablegram from Fox on August 1st saying that I should look out for Vessilieff, as he is causing a lot of trouble. Full particulars by mail.

Surmising that Fox had not called on Vossil to
because of antagonism from rumors he had heard, I immediate
ly cabled Fox to call at once on Vossilieff and hund him
a copy of our Submerine Battery guarantee, with the suggestion that he try to duplicate it from any other buttery mendiscoturor. Also instructed Fox to report conditions fully
by cable.

I have just received cable from Fox as follows:

at an end. Officials here interested. All complications at an end. Officials here interested. An oothing co-operation. Mailed you a letter giving full particulars. All colls filled and show good capacity. Trouble with filler

caps. Electrolyte creeps badly."

I therefore surmise that Fox did call on Vessilieff as instructed, with copy of Submarine Guarantee, and that this turned the tide in our favor.

The trouble he mentions as having with filler cap caps is cocasioned by our having to put the A-8 filler cap on the cells instead of the A-12, because of the fact that the tools were not completed on the A-12, and to turn them out by hand would have been very costly and concused more time than we could spare. This trouble is of no consequence, as it simply means a for drops of electrolyte on the tops of the cans, which will not affect the capacity at all.

Thought you would like to know fully jet what is going on, and, finding you occupied, am imposing on Mr. Walker to transcribe this.

M. R. Hutchinson.

or graph here. The second seco

August th. 1911.

Wy dear Wr. Edison,-

I sent you a wireless as follows; . .

"Hear Mauritania followed your example in going to the bottom of things. Congraturations Charles" birthday."

y one with harplets regime a river of the approximation

I would have given \$500.00 to have been present to see the expression on your face when Charles handed that you that disc of carmen-making. Your remark that you expected to see Morse bob up in front of you in the middle of the Mtlantic was two good to let pass by, so I rated this old record up and prepared the surprise for you.

or the flate separation, we put through in the big or arting marking shout fifty-three ounces of grade out of the theoretical fifty-three dunder, of this as you resember, he ounges was booked. The books were dissolved, but hald together by burraries was booked. The books were dissolved, but hald together by burraries all quit marked that the books were dissolved, but hald together by burraries all all the companies of books were the distortion, and the work of the third that the books were all by he was the control of the books were all the control of the books were all the control of the property of the books were all the control of the property of the books were all the control of the property of the books were all the control of the property of the books were all the control of the property of the books were all the control of the property of the books were all the control of the property of the books were all the control of the property of the books were all the control of the property of the books were all the property of the propert

As about to put together the new separator and will run it fay and night until I find out if there are any bugs in it.

Vassilief in Vasington, agains for a latter or the frontier officials, so that he would not be maisted in paging borones with the would not be maisted in paging borones with the mental of the looking betteries; I all hot congris a toply this latter, so an due obving took the satisf posting in the looking betteries; I all one of the congrishment of the latter, so an due obving took the satisf postin the looking took the satisf postin the looking better.

On the 25th instant, I received a cablegram from Vassilleff dated St. Petersburg, and requesting that I telegraph Fox to call on him at once at the address given in the cablegram. I

how to call or all a comment.

Charles and the charles of a second of the charles satisfactory to the representatives of the they said that they would see that the Rua familiar with the conditions that exist,

the night of the thirding over a cablegrem, so cabled him on the night of the third to call at once on Vassilieff and give him a copy of our Sybmerine Battery guarantes, and to defy him to reproduce any guarantee equivalent thereof from any other battery manufacturer in the World. I also instructed New to cable me at once and fully, the conditions obtaining there now.

received this morning a cablegram, which, being bramslated, reads as fortuna: er Tiller Seizertt i Misserttege der in Frankrich früget, ist

"Gondrioms dannot be condensed. All complications at an end. Officials appear interested, as getting set completed to the control of the cont

Nacdless to say that I am delighted that the complications have been swept aside.

The traphic he is having with the filler caps I anticipated because the \$-9 caps is not large enough to allow the A-12 filler caps to be inserted. They A-3 filler cap is too small to take Thirt caps to be inserted. They A-N filler cap is too small to taxe carr of the gas from these cells, which must be charged very rapidle. Therefore, some of the electrolyte is naturally coming out, them that does not materially affect mattering a For has easily the them that the real cells that will be installed in the rea all this trouble.

Everything is soing shead just as if you were here. Everybody seems to be taking a great dead of interest in their work, with a desire to accomplish pleased at this spirit, because usually you return, I am very missessed at this spirit, because usually when the Tooks case may from any commercial enterprise, the rest taken it was a signal, or do a little leafing. This capition does not take it was a signal, or do a little leafing. This capition does not obtain here.

tried to put over the plate. He seems to be a clean sort of a fellow, and above any such actions us this. I have had him up to the house and saveral times, and he seems to be a perfact gentleman and are above any such actions as this, It is needless to say that I have out him out completely by reason of this performance.

I told Bob I thought it would be a good scheme to put unless orders were given in each case by Thyor, Mr. Miller. He thought it would be an excellent scheme, and so has Mr. Miller. He thought it would be an excellent scheme, and so has tacked up a notice all over the permitted to go through the place anystand why so many visitors that you have lost a good many things by how. I have no doubt, that you have lost a good many things by reason of this sort finny business. Your new electric has been sent up to your garage, locked up, and covered over.

The big Mora will be done Honday, and after being tested, will be done the same way. The little Mora will be then torn down, the engine overhauled, and likewise put away. Bob hus given notice that none of these cars are to be used by anyone until your return,

Hope you will have a bully good rest and compel your mind to be a blank whenever thought tries to creep in about the laboratory and what is going on here.

with my very best regards to all the family and yourself, I remain,

Yours sincerely.

St. Petersburg, Russia, August 6th, 1911.

Dear friend Hutchison.-

my last letter. Testing is now going on smoothly and the cells seem as good as can be expected, taking into account their newness.

I received your cable, telling me to explain the Vassilieff affair, but as you will see by my last letter, it would have cost a festume to have branssited such an explanation, and would have been unwise also, as the belegrand lines are conset by the Government, and the officials are able to read messages at their own sweet will. You no doubt will agree therefore, that I acted for the best, as I allayed your anxiety at Orange by a few cables words.

When I cabled previously, it was with the conviction that the affair was going to assume greater properties than it subsequently did. This was because the chief of the Submarine Dept. happened to have been an old friend of the Marquis de Passano, and they patched the matter up between them. When we show our tests to the Government, however, we are going higher than the Department; straight to the Minister of War, their superior. We are sure, therefore, of receiving the fairest treatment possible in this Country.

After I gave the cells their first discharge, I noted that the new electrodes were not quite up to scratch, so I gave them the reversal treatment, with the consequence that the discharge curve is now much smocher. We are not yet receiving sufficient capacity however, but after more forming runs, they will probably improve. An interesting fact is that the voltages are in favor of those cells which have received the most runs, Sp. 12 highest, Sp. 15 next, and Sp. 14 and 15 the lowest. This is exactly the order in which thay were made. It is seen, then, that they only require more runs to affect their improvement, both in capacity and voltage.

I have had some trouble with the separator caps, the electrolyte brilling over As this, however, is any to occur when cells are new, I have not attached much importance to it, as it has now largely disappeared. I woulk advise however, that if possible, the filling appeared I mean the most of the profit diameter and higher. You have 1/2 to spare to the top of the terminal post without increasing the overall height of the cell.

I started charging at 150 amperes, but this caused excessive heating and makes small efficiency. I now intend to give a series of runs at 130 at increasing lengths. Results to date are as follows:

6 1.0 Volt Discharge Outpu : Rate S12 815: 812 813 814 815 342: 1.201.191.18 1.175 364:1,2051.191.18 1.187 100 364 350 350 ī. 150 : 364 380 10 150 100 Reversal mreatment 150 354 346 130

. Charge discontinued at end of 5 hours on account of excessive crapping of electrolyte.

Charging was interrupted this week on account of some Saint's Heliday.

I have not discharged at more than 100 ampores, befause Iwanted to go easy at first to incure against trouble. In the near future, however, I intend to discharge at 100 ampores and see what figures we can get. Sp. 12 looks pretty good deem's it?

I have enoiceed herewith my expense account to date.
I might say that you were mistaken in thinking living chase here. St.
Petersburg is considered the most expensive city in Europe, Paris
ranking second. However, I am making it as light as I possibly can.

I think you might said me some more money, for although I have plenty just now, it will be nearly a month before I get an ansaer to this, and uone unforcesen ctrownstances may occur which will require funds to meet.

estem in which Mr. Adide from business; you would be gratified to see the man of modern times, and are very proud of his intheator with the Count Tolatol. Several poople have told use that he had given the Count a "granophonos" as they call it here.

Yours truly,

Maurice E. Fox.

August 11th. 1911.

Mr. Thomas A. Edison, Morgan Hardes and Company, Paris, France.

Dear Mr. Edison,-

The delign of the Type 8-19 Cell has been finished, and me casgen of the Type 8-19 well has been finished, and the cell is now in work. An making up pages for three cells, excepting such parts as are subject to charge. One call will be carried through to completion, and any changes necessary thereon will be made in the subsequent two cells, without undue delay,

under date of July Abth, that Russia is going to build a 4,500 ton Submarine Gruiser, as well as a large number of 600 and 800 ton buts. It seems an act of Providence that prompted me in sending For to Russia instead of simpling the colls over there.

cells, and while they in design, will make provision for oraking the cells somewhat, there are going to necessitate very large cells, and while they in design, will make provision for oraking the cells somewhat, there are represented by it is almost a good to be a considered to the cells somewhat, there are represented to the cells somewhat the cells are represented to the cells are represented to the cells of the cel

I think this sufficiently and nevel to apply for patente, and am doing so.

Progress in the separang of the flake, that we are nos shead of the causetty of the erast room to produce flake. I am completely out of out books, and have about 1800 pounds of flake about now.

did good work. It has very small percentage of books, and these are held together by dull kindres. The burs from outling with a dull kinfe naturally tend to bind these together, but the little reciprocating separator breaks them up in a few min to the control of the separator beauth the separator beaut

I am sending you a couple of clippings which I think will interest you.

I hope you are having a "bully" good time, and that you will keep your mind off of this cutfit here.

With bost regards to all the family, I remain,

Yours sincerely,

August 18th, 1911.

Mr. Thomas A. Edison, Morgan Harjes Company, Paris, France.

My dear Mr. Edison, -

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clipping I am enclosing herewith, translations of various clippings from foreign newspapers on the subject of Subsarines. Thought you would like to look them over. They show conclusively that transmotous interest in Submarines on the part of the foreign time, we seem that the subsarines on the part of the right time, as Submarines have her seemed to the foreign time, as Submarines have he seemed to the foreign time, as Submarines have he seemed to the foreign the foreign time of the foreign that the seemed to the foreign the foreign that the foreign that the foreign the foreign that the foreign a great deal, as these cable despatches are circulated all over the World when they eminate from you.

Yours sincerely.

DRESDEN NACHRICHTEN, Dresden, Germany, June 27, 1911.

In Copenhagen, womant, the Submurine DINGERSM caught fire, which seemed to be destroying the whole beat. Two men of the even being in the machine room, were hardly able to escape. The crew first tried to get the fire under control by the use of water. As, however, it was to be feared that explosine might have a fire was particulated by the use of each Considerable desegg was done to

LE PETIT JOURNAL, Paris, prance, June 24, 1911.

Cherhouse, June 22nd, 1911. Yesterias merring about 5 o'clock, the Stock was so terrille that several of the accumulations were thrown from their places, and the solution overflowed into the serounding rooms of the boat. The first engineer was thrown by the shock against the wall and severally but on the head.

The Submarine, in spite of the accident, could go to the special docks for Submarines. The wounded officer was brought to the bosuital.

One boat is on the way to get the accumulators out, and for that purpose, the boat will go tomorrow to the repair basin to be investigated.

LES A NALES POLITIQUES ET LITTERAIRES Prance, July 25rd, 1911.

Noting is nore interesting these days than ariation and navigation of Submarines, One will learn with great pleasure the history and present state by reading the book of Radiquer. It is difficult to peak better and more clear shout all those scientific and special matters, as does this French emptheer. He surely is able to talk. He himself has constructed several of the best wrench Submarines and he has made some greatly whired trips with those boats. He last chapter, "The Submarine Commercial", which shall travel through the seas, scunds like a chapter of Jules Werns, but is on the other hand of natorialing quality, because it is the Jules Yorne of reality.

NATIONAL ZRITUNG, Berlin, Germany, Aug. 1st, 1911.

The Submarines in Future War.

At the end of the Ruged-Japanese War, it was the meaning of the Nations on the east While England and evenor have in the meantime built up complete flottless of Submarines, Germany tried up to now to follow the same example.

The experience, however, proves that the Submarine is the very best halp to avoid attack of shores and harbors, etc., but that for the near hiture its possibilities of the last might seas are limited. The Japon Collina was at her for the last migh seas are limited, use in Schmarines, because the Russian Mavy did not attempt to leave use in Schmarines, because the Russian Mavy did not attempt to leave

By looking the present status of construction of the different Markes over, we see Prenos with its 58 Submershes and England with its 58 boats in the lead. Germany, is on the other hand, in possession of 12 boats, but its intention is to increase the number in the year 1912 to 35, If it is really so, of course, sobody knows it exactly, only that there will be a large demand for Submersizes Balteries in Germany next year. This shows the balt when the stated to acknowledge the science, and the stated to acknowledge the science, I have shown the work of the stated of acknowledge the science, I have an adverted to acknowledge the science, I have a continually increasing. While the first of these boats buttle frame had only 164 tons, the new boats, for instance, GUSTAME ENDS, being under construction since 1910, has 740 tons. The size of the Submerimes has increased in the last ten years about five times. In Great 25 to the science of the submerimed the same intention porter displacement of 104 tons, and submeried a displacement of 124 tons, and submeried a deplacement to 104 tons 100 tons of 50 tons to 200 tons to 300 tons to 300 tons to 300 tons of significants.

In regard to the German heats very little is known, Germany has some bouts built for trial of about 200 tens.

In gramme and England, it is an important secret that the Submarines. A second Formini the Action by 18 English and 3 French Submarines. A second Formini line at the lockout in the barbor of Cherbung, Therefore, it will be Channel, Germany is little touched by it in time the gram of these two Nations. In case of a war between Germany and Creat pritain, the former has far too weak a Navy to attack Great pritain with its above, Though the Grammy and prance break out, it will be fought on land and not on the sea.

HAMBURGER NACHRICHTEN Hamburg, Germany, August first, 1911.

The German Many is now ready with 12 Submarines, and there has been created a school for Submarines.

The new Submarine call d U-3, made an empecially good trip, but it is not possible to state details, because everything is kept secret.

LYON REPUBLICAIN Lyon, prance, Aug. 3, 1911.

Yesterday aftermion at 3 o'clock, the new S. C. 3, constructed according to the system of the engineer Lambeuf, has been lammined, the Submertie being brill for the Greek Nawy. If has a length of 50 meters and a displacement of 300 tons. Its outfit condsts of two getton exters for sating on the surface, and of two electric motors for sating when submerged.

IL SECOLO Milano, Italy, June 16, 1911.

One of the grand Subsurine boats has made a very interesting experiment, in that it has remained in the harbor of Tolone for 18 hours underseath the surface. The crew has been splended condition throughout hims there.

COURRIER DU MEXIQUE Mexico, June 19, 1911.

As we have reported already, the new Submarine BERNOULLI, was launched on the first of June at the yards of Mourillon. This Submarine was floated by having its whole orew on board, under lieut. Dumont. It has gone by its own power to the station for Submarines, where it will get its outfit.

It is especially characteristic that this new Submanine had all its motors on hoard, and this has been the first time that a boat of this type was able by its own power to reach its station.

BERNER TAGBLATT, Bern, Germany, August 4, 1911.

Since several weeks, it has been known that the British Navy intends to build a new type of Subsacine.

As we now hear, they are in fact building six new boats of very large size.

The new type shall be about 250 tons larger than those built before, and they will be about 70 tons larger than the UUSTAVE ZEOE, which was, up to the present, the largest.

It is a doubtless fact that Subswrines have been considerably improved in the tast few years. In Germany, it is not Doubtle to have any news about the Subswrines own in construction. It is however, certain that 15,000,000 marks have been laid aside for making the subswrine thin year, effic Naudicus databa the number of Subswrines ready for service to 12, but does not mention the number of boats that are under construction.

All the powerful Countries of the Worls have a larger flottila then Germany, 1. 8., Great ritain has 63 boats, France 62, Russia 30, United States 19 and 20 under construction, Italy 7 and 13 under construction, Jayan has 12 and several under way.

L'ECLAIR, Paris, prance, July 29, 1911.

Aeroplane and Submarine.

The aviator Aubrun, upon request of the Government, has been trying to follow the Submarines by flying in an aeroplane. The test ray made purposely to investigate from such hotght the aviator would be able to find out there the Submarine might be.

This morning, at 4 o'clock, Aubrum went up in an aeroplame, and at the same time, some of the Submarines went out for practice. The aviator was in a position to find two of the Submarines which were undermeath the surface.

We asked the aviator this evering about his experience of the morning, but did not got up once an enter, because the matter should be kept secret by head that he haval authorities. In any respect, the haval authorities in any respect, and the haval authorities and the hard authorities and the hard authorities and the hard authorities of the secretal hundred enter a will be able to follow up the evolutions of these admirable engines, the so-called Subseries.

DIE REICHSPOST, Vienna, July 15th, 1911.

Trials have been made at Portsmouth nome time ago by Submarines that have been Bort binnes eaters under the water. In that way, from a short distance, the gunhoat was able to shoot lyddit shells at the Submarines. The Submarine had been sumbly the shells. As it was hovever, fitted with every means to raise it up again to the surrections, the best was savel in a short lime, it was stated that an absence the state of the shell and the same as was generally believed. It greater depths, the Submarine would be entirely safe against artillery fire.

the Subsarius of battle-ships anchored, would be able to keep the Subsarius off by mines and sent-verd agractus, but in every regrect, its postton would not be a langerous one. A Ttokila, while aniling, would be leading danger in regard to Subsarium, but would not be a subsarium, and the subsarium of the subsar

LYON REPUBLICAIN, Lyon, prance, July 19, 1911.

A war specialist of the Arsenal de Rochefort, who has already invented an apparatus which brings Submarines from the bottom of the sea, when sunk, to the surface, and keep them there long enough to save the cree, has invented, after long searches, an invention which enables of loops and men to leave the Submarine and reach the surface. This apparatus is directly fastered to the bridge of the boat, where it is held by special Castenica, which are absolutely strong and steady, in order to resist every force of the wars and of the sea.

MILITAR WOCHENBLATT Berlin, Germany, June 29, 1911.

The Ministery of Marine intends to construct or buy saveral Submarines for the May, which shall form two flotting, i.e., one for the Black Sea on the entrance of the Bosphorous, and the other for the Dardenelles.

August24th, 1911.

Mr. Thomas A. Edison, -Morgan Harjes Company, Paris, France.

My dear Mr. Edison,e

I am enclosing herewith, translations of several foreign Submarine clappings.

Herald, dated today, if you will offer a reward, I will tell you where Mrs. Edison is but will have to find out from you the exact spot on the earth your Daimler has taken you, before I on have by information accurate.

I called up my friend, the City Rathoff this morning, supprise shahshahah a foot message should be taken. He doesn't seem to know how it got through.

Everything is going beautifully here. Have FRidign Warren of the Reserve Submarine Pleet with us for a day or two, studying Raison Battery.

Yours sincerely,

LE TEMPS, Paris, France, July 9th, 1911.

NEWERING without someone has started building the new Submarine are temarizable into its the start ship to the GUSTANE ZEME, and these ships are temarizable insofar as this is a new method of construction of submarines, the discensions shexing a growing tendency continually. The two new ships have a displacement of 740 tone, longht 75 section, with a taking of 6 meters, and are going to be 4.35 about 200 tone more than the have a displacement of fig. 1 about 200 tone more than the Submarines; the latter being up to the present the largest of the French

The subargument of tonnage corresponds with the tendency to realize a submarine which is able to go far out to see and at the same time fight the enemy or to enter into a combination of the great Navay forces. At the time of the beginning of the construction of Submarines, these boats were destined only to defend shores, and the Franch Navy folk which is years the line given by the construction of Submarines, these boats were destined only to defend shores, and the Franch Navy folk which is years the line given by the construction of Submarines, these boats were destined only to defend shores. The line is the submarines there is not the line of the line of the submarines there is not to the first type of small submarines there is from 10 to 200 tons. After that, trials were made with some larger tonate, with a displacement superior to the first 40 beats, and then came to the type NERENUE having 390 tons, and to the LAUREUF of 396 tons, of which type nearly 40 have been constructed. In resembering the comparience made with these two heats, it was desided the law in resembering the comparience made with these two heats, it was desided the law in the CHANLES BRUN 1007, there were in fact control the CHONLES one, and the CHANLES BRUN 1007, there were in fact control the CHONLES one, and the CHANLES BRUN 1007, there were in fact control the CHONLES one, and the CHANLES BRUN 1007, the control that the control the control that the treatment of the chanted and their tests have been very interesting and of great value but this type is not to be taken as a Subswine for offence. They are only

The new Submarines of the type GHESANE ZND answer quite a new qualities which are decembed of the to accompany a nong Hevel force. The qualities which are decembed of they can be a register spread and greater durability, they can be a register of producing several across the producing the several across the several

Dis	placement On surface	Submerged.	Speedin Knots	Radius of action In Miles.
PLUVIOSE	400	550	12	1.400
ARCHIMDEES	577	810	15	2.000
ZEDR	740	1,000	20	1.700

The greater value from a Military point of view, has of course, been followed by groater expenses, and while the Subserines of the type PIUNIOSE cost 1,750,000 Emmiss the price of the ACKINISME goes up to 2,500,000 Parnos, and the price of the GUSTAVE ZEDE to 3,440,000 France.

LE JOURNAL, Paris, France, August third, 1911.

With every success a row submartum of the Submartable type Guntave Laubeut, constructed by Guntave Laubeut, has been better dual-ties for navigation and better conditions for the type assure better qualities for navigation and better conditions for the crew, as compared with the cld types of Submarines. The DEMPHIN is similar to the submorsible Lumbur, adopted by the Prench Mary, which, about 40 to the since 1904 have been built from the ship area.

The spacebetreon the two shalls in destined to contain water ballact of a total weight of 160 tons, and this construction permits the boat townsturn in a few seconds to the surface, when the water ballact is driven out by means of compressed air keyt on board the ship the length of the Ballack is driven out by means of compressed and they of the the surface length of the Ballack is described and the ship the surface is 184 brots, and undermeath the water 9 knots.

The armament consists of 5 torpedoes. It is fitted with two motors driven by petrol for cruising on the surface, and two electric motors for navigation undermeath the water.

After the Benediction of the boat by the Righop, and on a given signal by the engineer, the cable which held the boat on land was cut, and the Sucharine slid into the water in about ten seconds.

Workshow Andrew

FREISINHIGE ZEITUNG", Berlin, Germany, August 6th, 1911.

An English Enginer Thomas Sladen has come to several of the Naval authorities with a new invention which he calls the Liberator, and which is intended to save men in Submerlies. A trial sade in Deven, England, with two 'Gunnies and siven satisfactory performance. The exacticative of the same state of the boat in not more than 45 seconds.

So far as one is able to learn from the details of construction, it is eafe to say that the inventeen came by his distance it is construction through the accident that coourred last winter with the Submarine in Kiel.

LR MATIN, Paris, France, August 5th, 1911.

An accident of which we learned work lateyesterday in therbourg, but which a most developed into a real diseasor, has lamponed to the RHSIS. We show this, a description which we got from some of the cure of the Submarine.

with was 30 minutes past 3 in the aftermeon. The boat was busy diving on the abore of Boualles. The ship navigated on the surface with the water at a depth of 90 meters, the boat being about 500 meters from the shore. The Commander, genault, the second officer and 10 men of the orew were on the bridge. The weather was spleaders not could nee that on normal countries of ode-per into the water than ordinarily. First we did not care about this, but after several seconds, the bow won't undermeath the water that or the water than ordinarily. First meath the water that or the water than ordinarily. Farst meath the water Than we could no doubt any longer that seasing water wrong, and the Submarine was forced to go and the submarine was a moment of terrible the bort atil was going further into the water. It was a moment of terrible

"On the bridge, the Commander gave his orders without losing his condness, and following this order; the accord officer went that the interior of the bridge Take of the commander said to his men who were not be bridge Take your costs off my friends, and go into the water, and those who know how to swim may galp those who do not. There were four between us who did not know how to which, but were halped by those who day

In the meantime, the boat disappeared rapidly, the bow was 19 moters undermeath the surface, and was touching bottom. The center of the ship was nine meters deep and the storn was still cor mater. There was no-one else to be seen on the boat but the commander, who was on his post with his hands champed to the ship, wantiting his docs.

Suddenly we remembered that the stern went up again. Gradually we noticed the RUBIS conting up again. Then those of us who could swim went to the ship and stuck to the cides of the boat. But now we thought how might it be with those within, and what had happened.

The first second after we went down, there was a great panic on board, and a rush to the openings.

"Everybody on his post", was ordered by the second commander, "nothing is lost, keep quiet".

All obsyed orders. The water entered the boat, and filled it up rapidly. The first moment, the quarter-master had stopped the motor has the water went higher up, the security weights consisting of lead were cout-free, and the quarter-master closed the cuiter which was been considered in the part of the country weights on the part of the country was a security of the country was a security of the country was a security of the country of t

We might add that it was not necessary to take the RUBIS to the repair docks, but she could go by her own power to the Arsenal, where she will be examined.

Communication of the communica

LE TEMPS, Paris, France. August 7th, 1911.

We have already reported about the accident of the RUBIS. Following we give a declaration which was made to our correspondent in Cherbourg by one of the officers of the Submarines.

After having dived, we were on the surface of the water, and out on the bridge, the ship being about 500 meters from shore. Suddenly the bow of the ship went slowly down, then quicker, so far that the water reached the first compartment. The second officer, seeing the danger, went quickly into the inside compartment and closed the outlet. In the meantime, the quarter-master had closed the stand of the commander. The meantime, the quarter-master had closed the stand of the commander. The water had not alone flooded the ballast in front of the boat, but also water had not alone flooded the ballast in front of the boat, but also no board. The ship continued core. There was already ô tons of water on board. The ship continued body, and the commander, Remaski, me who was vith of the sea in order to enlighten the boat of their weights themselves to EMBIS disappeared under the waves, and the men had to fight order to remain on the surface of the water. One man only seemed to wish to stand at his ship, probably to go down with her. This was the commander Remault But his some wiched bits and to revent this from flinded to the commander. Renault. But his men watched him and to prevent him from finishing his plans. He had to stay about 10 or 12 minutes in this position, going through very embarrassing circumstances. Then we saw the ship slowly through very smun-rassing circumstances and we saw saw may perfect to keep re-appear on the surface, and we could take our forces together to keep us affort Finally, the MUHES came to its normal stand, and we went to the bridge. The outlets were opened, and to cut great satisfaction, we call the men were safe and sound. What has happened, we aske could see that all the men were safe and sound. What has happened, we aske our superior. The second officer had taken over the command of the ship and had given orders to all the men to remain at their posts, He then shadte the turbines in service in order to pump the water out, and cut the ropes of the weights of lead, then the submarine went to the surface again. A commission has been appointed to investigate the cause of the accident, but it is impossible at the present time to enter the interior of the but, oring to the production of dangerous gases which arise from the acid from the accomplators, the latter being subserged by water, I' will be necessary to wait until next week and then start with the investigation. It is generally believed that the accident of the RUBIS is due to a one of the outlets being out of order, and it may take six months to make the necessary repairs and bring the boat into service again.

compercion on accounting the compensations of Charlest-accommutators employed on tead of Internatives.

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The American Committee of the Committee

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्रेस्ट्रिक्ट के प्रतिकार के जान

Important on account of the says by Obloride - accumulators comployed on board of submarines

the clements of a Storage or Secondary Cell noter Soupes", for application to made. I count for zamesty urge expedition of filing this case. It is extrinely important to us. Without the method it would be improved for in the drany submaine work, Franse the 1/8" tubs cell much be charged ar i hour rate and wo load has capacity of dynamin to charge or higher than 6 hours rate. Furthermore A so imposed tool the cell when charged are a whole or the

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Andrew

September 1, 1911.

Mr. Thomas A. Edison, Morgan Harjes and Co., Paris, prance.

My dear yr, Edison,-

Analyzing the results cabled over by Fox today:

at two hour discharge, is shout what he got in voltage, given us 449,4 wat hours per odd. This militple by 49,4 to thouse per odd. This militple by 49,5 to but hours per hour, for two hours, or 39,46, the hours per hour, for two hours, in a sixthe by 48, Given us 37.7 horse power per hour,

All he wanted for the small Russian was about 3%-1/2 horse power, permison, for two hours, so we have note good in great shape.

Even at the average voltage as low as 1.1 volts per cell, which I very seriously doubt, you have still 53.7 horse power per hour for two hours.

I expect the order to owns across for these boats; equipments in a few days now.

Yours eincerely,

Comminguos com

Success the state of the supplier of the suppl

To this prime is a good top or whose with the servicine is

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新疆(14章 1775年 - 黄 黄 600 - 新原 400 G 15年 [4] [4] [4] Mr. Thomas A. Edison, et 7 and the restrict the Morgan Harjes and Co., (Paris, Prance, Company of the tornoon;

No. hearth from Pox in over the west; It cobles yesterday, asking what is going on, I received a cable this morning in reply, and which being translated, reads as follows:

> " Have reported weekly. Letters lost or stolen in transmission. Am getting 380 ampere hours at two rate discharge out off the C-14 Cells. In good condition now. Everything is ready for officials."

He does not state with his recomp wellings to mediacharge as two himself in the second second

as casa of went up to the Blectric Boat Company's Plant on Wednesday can onex. Twent up to the Rachrio Soat Company is Plant on Wodnesday, and upuffin the days with New Ragar, Pook by dischartly blue Fritis of the 8-19 call, and of the S-17 call, Incided you have for containing and the positive plates of the batteries that so into the UPER consist of fifteen type's gride; arranged five high and three high. In a one study a maximum allowable length of old the world and the same and the count works should overage actually only ampere nours at 3-3/4 nours of discharge, being equivalent to 472. Who hours for the entire bettery of 102 cells, to go into the same space as the lead. The lead battery of 11st this beat, when brand news, only showed 1175-and set hours, and 13-6. Whours on the one hour rate of discharge, and a maximum of 03-11. Auris of 03-20 mapers hours on this long as the long that the control of the same should be the control of 11st Appurs, weone ampere nours on one three nour casons get instruct of the free like in the casons get instruction of the first of the fir

Minimizer On top of this comes Poxt bable that he is getting 380 II appere hours at the two hour rate. This you will not six the maximum he got out of any of the wells in the first tabilities result, and as shown under output to one velt of No. Sp. 44. Therefore the calls are ancia mest that to be a long of the first behavior of an equity and

improving. If he sais 380 ampers hours at the two hour rate; he will corrotal; and sail at he on hour rate, he sail all the corrotal; and sail valent to whom 27 "textshapproparties like hours per 18 grids. Therefore; out of the 8-19, we will probably get 3819 ampers hours; and 3819 wat hours per soil. This, at the foundhour rate of discharge, mind 18019 wat hours per cell. This, at the foundhour rate of discharge, mind you, This will be equivalent to allost 2.9 times as much capacity in EW hours at the one hour rate thanks in peachlule to get out of the lead when hand as:

If officet 390 impere hours at the two hour rate, we will the certainly get 400 impere hours at an average of 1.2 rolts at the three hour rate. This will be deductablent to 17.1 wath hours pay refut equivalent to 1900 EV hours capacity of 102 5-19 cells per tank. This is alittle covery-1.72 times the EV hour capacity of the lead when brand new.

To All of the above figures are based on our using 9-10 during the UREN cank; But the WIEE story when acting many names and the vover 50 amperes. There is not visited to the the Wiee over 50 amperes. There is the will go "Dope" on a longer charge, at a lower rate, Therefored, it becomes measure to divide the 8-17 up 'into two groups, one group with ione half of terminate having 9 postitives and 9 magcalves, and the adjoining group with interminate whing 9 postitives and 10 magcalves, which has so in 8-17 up to the working of both the story will be of the masses in 8-17 up to 18-18 the three hour story will be of the will be will be of the will be of the will be of the will be of the will

This is also advantagation by resist not the abundant electrolyte, and the increased was with which the heat one he dissipated when we only drawe heat to battery at a time; throughouse heat of any and the control of the control o

I am having the cells mde up as follows:

One S-19 with two terminals and Two S-19 with four terminals each.

We hope to have those cells finished by the time you get back.

It has been raining for a week, and has cleared off today.

We read of ar automobile accident in Switzerlands One paper said the our turned completely over a marker for the order as the said that you have falled not round, and had to be pulled out by one of the said one mule hitched tandem. This proves the wracity of the correspondent of the pulled out by one our regulations.

Mr. F. L. Dyer. Legal pept.

My dear ur. Dyer .-

It will interest you to know that I was knowed by a visit from Lieut. Gourthay today, He arrived about ten o'clock and remained until arter lunch. I treated him with every courtery, and warey politomes are maintenanced by the state of the

calle, with very highly average voltage and excendingly low internal resistance. In other words, I converted him the excendingly low internal resistance. In other words, I converted him the excending was I feel outse sure.

could get a lead cell for \$21,000.00 that would leat for \$50 oyeles or for five years, that he would prefer putting lead cells in at 1/2 or for five years, that he would prefer putting lead cells in at 1/2 even if our cells would last for fifteen years; He entirely lest track or the fact that we provide about twice the capacity in the same space and for the same weight, and when the capacity in the same even if the fact that we provide about twice the capacity in the same space and for the same weight, and when the capacity in the same even in the same weight, and when the capacity he can give the capacity he can see that the first same weight, and when the capacity he can see the light; the capacity he can see the light; the

When I had finished with him I took him home to limber of the limber of

to us in the future, as he has nt a leg to stand on now, having had all props knocked from where him with that actual guaranteed performance has shown by curved.

Thought you would like to know of this, and am writing this letter rather than take up your time to tell you verbally.

The second secon

STIT OF The Youra sincerely,

The property of the second

of weeks to a true to a fact of

Buttery, Storage - Subs. 4 Zents

Bentember 30, 19II.

Dear Mr. Dyer.

I was looking over the tests made on Edison Battery in the cold room of the Electrical Testing Laboratories, and understand from BY. Holland that you contemplate having the results of these tests embodied in a letter or paper to be read before the Electrical Vehicle Association, and otherwise published broadcast.

Permit me te urge careful consideration of this procedure.

The results were made on our standard one-quarter insh tube cells. The results of loss of supportly from low temperatures on the part of the quarter flows to supportly from low temperatures on the part of the quarter flows of the support of the s

A standard A-8, when discharged at twice its normal rate, or at only 120 amperes, shows only 300 ampere hours down to I volt, at an average of only I,137 per cell.

As far as active material quantity is concerned, we figure the plate has one half the sative material as a quarter inch plate. According to this, a can with 16 eighth inch may be sat in it would show up 434.24 ampere hours at about 18 are seen and to one woit, at average of 2, white per cell, An A-8 discharging at 145 amperes to one wolt would give only about 255 ampere hours at an average of I.105 volts.

In other words, from an equivalent amount of active material in the S C-16 (sighth inch plates) we get SZI watt hours of work, when discharged to one volt the lowest practical voltage- and from an A-5 we get only 259.9 watt hours.

Hence we have $\underline{\text{twice}}$ the watt hours from the C-I6 as from the A)8.

In my opinion, nothing but one-eighth inch plates will be used in Rdison Battery at the end of two years.

When the Exide put up cells for test, they furnished the thintery thir-plate cells. We should have deferred this test until we could furnish our thin plate cells.

In other words, the Mavy and Army people will immediately become projugiced against the cell until we prove the thin plate cell is not similarly effected to the same extent by celd.

When applying Edison Battery te Army and Navy needs, I am careful to enclose in suitable bases etc. to guard against cold as far as possible. I dont say this, simply putting the cells up in what they see is best form to withstand concussion etc. That which is good

for low temperatures is also good for concession preventative.

I doubt if I can sell a single submarine battery with that temperature curve in the hands of the Governments.

The Public in general wont stop long enough to read the explanation of theourves, but will form an opinion from its shape and listen to the lead battery salesman. It is true the lead battery man will show this hader the noses of all he talks with, but there is no use in our planging his work along. Simply own up to it when we are asked, but keep quiet meanwhile.

As a matter of fact/ that curve dont mean anything in practical operation of the battery, because we have lots of rigs that have run through the cold of two winters. Such low capacities as that shown by these curves would have put a crimp in our ribs two years ago.

But the prospective customer wont listen to this very much, and if, when becoming enthused he runs up against his warve he will be apt to read no further. Whereas if he has after he has his enthusiasm worked up, he work may be a subject the psychological operation of a customer mind, which I have been up against a good many operation of a customer mind, which I have been up against a good many operation of a customer mind, which I have been up against a

Sincerely,

HUTCHISON.

Mr. Edison.

Talk with Hr. Spear of Submarine Boat Co. yesterday was very satisfactory.

utmost to have our battery adopted in boats of their manufacture for foreign Maxions, if we will safeguard our reputation and their by not installing batteries on inferior boats where they would get a black eye. I replied affirmatively.

while he would naturally like to get the exclusive right for the battery in all foreign countries, he sees our position and respects it. He is a business man. The other fellows he has sent over the talk the matter over are not.

I told him we have the epportunity of installing batteries and if he wants to actually freeball any competitor from forging magnitude to cake our output up one with us of sufficient magnitude to cake our output up so we cannot full the orders of anyone else. So he is proceeding along lines that will, I think, be productive of considerable business in the near future.

In in negotiation with this Covernment to install an Edison Battery in one to new beat shey are building. Think that by expected co-operation between Nary Dept and themselves, the former contributing funder meserve and the latter taking less profite on the beat, they can rake up enough to buy a battery for one new

Agrees with us that any combination between us would result unfavorably, because as soon as Navy Dept. faund it out they would object.

he to Great Britain: He expects to install our hattory in four or five beats soon. When so installed and value demonstrated, the Government would demand that the demonstrate and the Great Britain and the state of the state of

Magar has been ordered to Orange to close order for the three small boats using C-IA cells and to go over with me the installation of the cells in the boat. We are to select the best one of three arrangements. They, of ourse, do the installing. Spear expects order for about sixty more of these boats. He refused to build then unless Edison Battery is used, and after Fox got in the goddwork - he did, the coast was clear and the order placed for the

first three boats.

By telephone request I lunched with Geo.W. Young at his

9

home.

He reports that the outside Moving Ficture people have come to Min to form a large company to take all of them in and put a large amount of working capital behind them. He felt them out and find they will sell out all their rights of the mount of the move that the mount and find they will sell out all their rights of the mount o

Edison General File Series 1911. Birthday Greetings [not selected] (E-11-24)

This folder contains letters congratulating Edison on the celebration of his sixty-fourth birthday.

Edison General File Series 1911. Book and Journal Orders (E-11-25)

This folder contains correspondence and other documents relating to books sent to Edison or ordered by him, along with items pertaining to his book collections in West Orange and Fort Myers and his subscription to news clipping services. In addition to correspondence with publishers and book dealers, there are letters from authors such as Edgar Chambless, Robert Grau, Hiram M. Hartwell, and Elbert G. Hubbard. Also included is a letter by Rev. James Luke Meagher, recalling his visit with Edison at Menlo Park during the early 1880s.

Approximately 20 percent of the documents have been selected. The material not selected consists of routine orders, letters of transmittal, and unsolicited correspondence.

Nigen Yé Mil.

Fort-Pryers Fla. Nov. 18 ch 1910

mr. Miller - Dear Ser.

The books from Brentanos came.

yesterday. Their titles are "The Meaning of Lifewill Officer X 5. arthur Cort."

"How to the well". * alfeet J. 5 choqueld M. R. C. S.

"The future of theorien and Capitalion in Dentionacy" Offle

X Charles W. Ellist L. L. D.

"The cause and cycle of Coldo" ON × William 5. Siller M. D. Gam

"Hunting with the Espends"

X Harry Mitney. "The Marvels Degreed Science"

X Joseph Correct M. D. "A voice from the Congo"

X Helbert Marvel.

Bre come by mail sutilled

"Lords of Suduelty"

X Henry Demarket Ward.

I henry venerated Ward.

The freight on the boy I think was very high. It only energhed 14th on our Scales and I had to pay them. It go, I don't think it would cost that reuch by By. Phy said they change 100 the, rate. I ruly your M. Doyle.

Brentano

Dein me Karroma Digudices by Guyat

just but by Darebne

Zam

also Literary Remillements

pub 60, Finnesch pub Co

BRENTANO'S

FIFTH AVENUE & 27TH STREET NEW YORK CITY

Rovember 5th, 1910.

,

ir. Thomas A. Edison, fort Eyers,

Dear Sirt-

Referring to your order of the Bith ult, we have to report one of the items, "Modern Orderinal Science Series" is to be published in 9 volumes, the first volume of which it is expected will be

We have booked your order for the set, and unless advised to the contrary will have wellows sent to you direct from the office of the publisher

Yours truly.

OG-AYG

NEW YORK CITY gg-sc Movember 1st, 1910. Mr. Thos. A. Edison, Fort Myers, Fla. Dear Sirt The other items on your order went forward to you on the 39th ultiexcepting Reason & Belief by Oliver Lodge, which, so far as we can learn, it not on the American market. Please advise us to you would like us to presure from

TAE-W1.4") Harry Get from Brantano Wedical Chaos + Cruma Barnesby " by Barnesby Edism Jan. James

EDGAR CHAMBLESS 180 NASSAU ST NEW YORK, N. Y.

ROADTOWN

New York Feb. 10, 1911.

Mr. Thomas A. Edison,

Orange,

N. J.

My dear Mr. Edison:-

Sorry you were too busy to see me when

I last called. I will try to get time to run out again some time soon, and hope by that time you will have read Roadtown.

Enclosed is the copy of a letter from

Mr. Burbank which I trust will stimulate you toward some serious thought on the subject.

. Many of the most prominent men in the country have already shown a very serious interest in the subject.

When I last talked with you you prom-

ised to keep your eye on Roadtown so I trust you have seen a few of the hundreds of articles which have been published.

Yours cordially, Edgar Chambless.

4

Copy

Burbank's Experiment Farm.

Santa Rosa, Cal. Jan. 23, 1911.

Mr. Edgar Chambless,

New York, N. Y.

-- :4.90

Dear Sir:-

Yours of Jan. 11th, and the highly absorbing book,
"Roadtown" received in due season, and although I have very little
time to read, I have read every word of "Roadtown" and am deeply
interested in the proposition which I am sure is not only theroughly practical but an absolute necessity for the existence of our
present civilization. To me, it seems that "Roadtown" will solve
a hundred perplexing problems which are agitating the people at
the present time. That "Roadtown" should come to pass, seems to
be a matter of course.

You have my heartiest good-will in your wonderful project. I thank you for "Roadtown" and millions of others will probably thank you in the future.

Yours respectfully,

(Argued) Luther Burbank.

TB/0A

Stenmeter

Robson & Adee

Schenectady Stor

Jers 13 (m. 2/21/11

Thomas A.Edison.

Orange, N.J.

Dear Sir,-We recall that you favored us with an order for Dr.Steinmetz' GENERAL LECTURES.

If this book has proved of interest we would appreciate a statement concerning it from you.

This we will use only as you approve.

Very truly yours,

ROBSON AND ADER.



Robson & Adee

SCHENECTADY

309 State Street

N. Y.

O. Herentena

HUDSON MAXIM 608 ST. MARKS AVENUE BROOKLYN, N. Y. TELEPHONE 2016 BEDFORD

February 18, 1911.

W.H. Meadowcroft, Esq., Edison Laboratory, Orange, N.J.

My dear Mr. Meadowcroft:-

I am sending you today, by express, the promised complimentary copy of my new book, "The Science of Poetry and the Philosophy of Language." I am also taking the liberty of sending in the same package, the copies of the book promised to other members of your establishment.

Scientific men all over the world have given the book a most cordial welcome. I have received many letters from some of the greatest men of our time, which are highly appreciative of the work - some of them enthusiastically so. I enclose you copies of a few which are typical.

This is the first time, I believe, that the subject of poetry has had scientific and impartial treatment. I believe that the book discovers very important fundamental truths, and that it will shorten the path and lessen the labor and expense in the acquirement of some very useful knowledge to men and women of letters, teachers and public speakers, and will lead many out of a maze of misconception.

After you shall have read the book, I should be very glad to know how you like it.

yours faithfully.

Natron Majing.

400 Pares, 100 Portrails A THIRD VOLUME BY ROBERT GRAU The Stage in the Twentieth Century FEB :20 191 Dealing with "The Rising Generation" 53 Elm Avenue 2/19. 1911 Mt. Vernon, N. Y., Franchin Edison, I thought I would sand you the Enclosed Early aumonnecement of my new book marder that you way under true the pail that your mountains wice Alag u same -The newwork were modern Vastriscarch. I went to Chicago last week to obser Entraosimay Ellostein in presentation of motion prelums - Janey a 5 cent mentie paging a live Kum american Comprose to ellustrate Musically its better films. It amonged me -I am unting an article for the atlantice Monthly, on the subject By the way the new issue of the Plano Magazine Which is becoming the representative priodical for Musical achieve ment of instrumental clearacter will have a leading acticle on the Phinograph. from my pan. 9 well sand it when issued to you. you have been gand tome and I don't bee that I Can't deserve it. 9 Rum you intrust in my greatest Afort has been an incentive and I hope Jim wice lake the book. Gran trung Rotest Dans If you work any copies of the new book. plear adverse of Course Del sand you anything you want in any Event,

. v. A v.	SUBSCRIPTION EDITION
To Robert Grau 53 ELM AVENUE MT. VERNON, N.Y.	
Enclosed find	copies of thecopies of the ON DE LUXE of your book
"THE STAGE	IN THE TWENTIETH CENTURY" The Rising Generalism in the Aminement World
EDITION DE LUXE SINGLE COPIES \$5.00	NameAddress

OVER eighty per cent of the subscribers to Mr. Grau's previous works have ordered the forthcoming Volume in advance of Public Announcement.

The following are extracts from letters sent to the Author, after he had informed the writers of his plans for a third volume.

"I am enclosing my check for \$50.00 as a contribution to your new volume, and hope it will aid you in your fine purpose." WM. K. VANDERBILT

"I take pleasure in sending you a check for \$50.00 as my contribution to your third volume."

OTTO H. KAHN

"I am glad to contribute \$50.00 towards your efforts." JOHN W. CONSIDINE

"I am sending you herewith my check for \$25.00 as evidence of my interest in your forthcoming volume."

MORRIS MEYERFELD

"I am pleased to enclose \$50.00, and hope your third volume will be as worthy as the others from your pen." THOMAS A. EDISON ing my contribution to your forthcoming issue,"

MARCUS LOEW

"I am happy to hear you are preparing another volume, and you can count on me for \$25.00, as before."

"Count on me to any extent de-

"Am contributing \$100.00 toward your third volume, but this does not represent by any means the total resources from this end."

L. E. BEHYMER

"Enclosed find \$25.00 which I gladly contribute toward your third volume."

HENRY W, SAVAGE

NOTE. The third volume "THE STAGE IN THE TWENTIETH CENTURY" treats intimately of every phase of modern theatricals from grand opera to the phonograph, and from the problems confronting The New Theatre to the moving picture progress, dealing distinctly with "The Rising Generation" in the Amusement World.

Subscription Edition de Luxe \$5.00 the copy.

ROBERT GRAU, 53 Elm Ave., Mt. Vernon, N.Y.

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A THIRD VOLUME BY ROBERT GRAU

The Stage in the Twentieth Century

By the author of "Forty Years Observation of Music and the Drams' and "The Business Marin the Amusement



Dealing with "The Rising Generation" in the Amusement World

Fra Un Edwar (143) 161" well gon Kurdly orgy - Enclosed Controption the \$52,00 7 m by and to me fall book, so that I lay filed away. Enclosed please find an article ont loday, in Piano magazare (March) issue. Palso with to suform you that articles on the same there han been accepted by "oviland Monthly " " Minese america" hew England Mag ago. and " Pleate", morrower & Impaining a zooo word recetal Hampton's Magazine & beher you lander Fame that my Efforts in this derection an fund, on appreciation of a Just institution and in a desire is Councy to laymen the part being played in artestice progress by Junals and mountain of Course & do les to sutreet gon in my Books. and nogast is my unbetien in this desaction from I feel that my new Volume were reach the Jeneral public, for I shall use the Contributions for the propose of sanding Libaries Copies grates. pwould like to know Jun prosumal needs on fri despect for I am glad to send Im all you require - and if I'm heed Entra Copils I'am our In will miscule as before opping it is not an opingation of an oping they over Deplet From opping in English forther of the oping of the same of the sam

Prans Majugme (mare)

THE SYNCHRONIUM OF THE CINEMAT-OGRAPH AND THE PHONOGRAPH

BY ROBERT GRAU.

lution for the stage in this decade is the now absolute certainty of a perfect synchronism between the motion picture and the phonograph, by which science and artifice will combine to present a counterfeit interpretation of the great works of playwrights and composers, without the aid of players and singers, even dispensing with orchestra or piano accompaniment.

Moreover, by reason of a recent achievement, it is possible to obtain the most diversified color effects, thus permitting of realistic reproductions of scenic illusions. It will soon he possible to bring to our very doors "The Passion Play" with the Oberamergan peasants figuring in the rendition and with sound, motion-picture and color, all reproduced in a conquest fully as remarkable (and equally important) as any that history to this day can record.

It has already been possible for an audience to hear at the Eden Musec, in New York, an act from "Lucia di Lamermoor" with Caruso, Sembrich, Plancon and Scotti in the cast. And this audience was enabled to hear the superb sextette with the same illustrious singers heard at the Metropolitan Opera House. The writer was among those present and, while perfection had not been vet achieved, no great wrench of the imagination was necessary in order to prophecy that the day is not far off when the workingman will lay down his dime, and, upon entering the model moving picture theater of the near future, hear

P ERHAPS the most important evo- Grand opera sung by the world's greatest singers with every artistic requisite at hand. And he will be able to take his entire family, and occupy the best seats, for one-half the sum necessary to permit one person to sit in the top gallery of the Metropolitan Opera House.

In Paris the leading members of the famous Comedie Francaise have been induced to pose for the film makers-Rejane, Jane Hading, Monnet, Sully and the Coquelins, as well. We will not have to wait long before great plays and spectacles too costly to transport to this country will be revealed to American playgoers by reason of the accomplished synchronism 'twist sound and motion.

Mr. Thomas A. Edison, from whose brain both the einematograph and the phonograph originated, places no limit on the possibilities of modern artifice. He also is intensely interested in every phase of the progress as it develops and has promised that every obstacle to a perfect ensemble in musical and dramatic reproductions shall be removed.

In Chicago, Mr. George Kleine has devoted the beter part of his life to efforts by which the artistic level of the moving picture theater is being constantly raised, "The educational film" is his hobby. Like Mr. Edison, he, too, believes that we are emerging to an era of the marvelous in cinematography, aided and abetted by the greater phonograph.

What will be the effect on the players and singers when science and artifice

THE PIANO MAGAZINE

combine to make unnecessary their particination in stage presentations of plays. operas and spectacles? Who can tell? We know that the great Caruso earns

quite as much from the preservation of his vocal records as he does from his operatic achievements. And this statement applies, in proportion, to his colleagues.

The writer believes that time will adjust even this delicate problem, for surely these great artists, by lending their aid and accepting tremendous compensation, have made possible the conditions which have brought about the most interesting and unique situation since the art of public entertaining was inaugurated.

AN OLD GUITAR. Marred and battered, it lies unused

Music has fled from its tangled strings: The spirit of melody it diffused Is gone, like the hopes that life's morn-

I close my eyes, as in thought of return To a long-dead Summer, a tropic night, A moss-grown tree, by a rippling burn, And a lassie with eyes that are full of light.

I lie at her feet, while her song's glad notes, Such as an angel might choose to sing, Sweet, and far through the night air floats, Like the scent of the flowers that the fairies bring.

The nallid moonlight is touching her brow. And silvering the strings that her fingers touch;

I'd give the whole world but to see her now As I saw her then, nor deem it much.\

But that voice has been silent for many years,

The love-light quenched in the sweet, starry eyes;

She sleeps where we laid her with blinding tears. Under the drooping, tropical skies.

And I tenderly kiss the broken strings Where her fingers strayed in the long agone.

And back from the past fond memory brings

The words of a half-forgotten song.

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Principal Office and Salesrooms 41 WEST 33rd STREET NEW YORK, N. Y., U. S. A.



Warch 21st/11.

Ur. Thos. Edison.

West Orange, N. J.

Dear Sir:--

I am sending you by mail under separate cover, cony of my booklet entitled "INVENTORS and INVENTIOUS."

I have taken the liberty to insert your photograph among other celebrated inventors and scientists. I have also referred to you in another part of the book, which I trust will be satisfactory to you.

Should you find time to look my little book over which I have published at my own expense, and fafor me with your opinion on the same, I will be extremely grateful to you.

HR/LF

Very respectfully yours,

Idas & Reguesto

EDGAR CHAMBLESS 180 NASSAU ST New York, N. Y.

ROADTOWN

New York, N. Y. March 24th, 11

Mr. Thos. A. Edison,

Orange N. J.

柳边山

My Doar Mr. Edison:

I called yesterday and was sorry not to see you.

Would you kindly advise me when I can have a few words with you on
the subject of Roadtown.

I have been hoping you would read my book before I saw you again and become thoroughly conversant with all my ideas, but I fully realize that reading any book may be postponed from time to time, by such a busy man. I also realize that your wonderful mind can follow the ramifications of the Roadtown principle without over reading what I have written on the subject.

I wish to discuss a phase of the Roadforn movement, which I beleive to be of vast importance to the public, and of the keenest interest to you personally.

In our last talk you promised to keep your eye on Roadtown development and on mo. I can assure you that I need your counsel and encouragment, as well as that accorded by Mr. Burbank and dozensof other notables. If you had a hard struggle to get your first big idea started right, you can readily appreciate my need for moral sumport and encouragment.

Trusting that it will be convenient for you to see me early next week, I remain with best wishes,

Yours cordially,

Edgar Chambless,

Publichers

Cable Code, Com. Cable Co.. "VICTORIMP"



Patented in UNITED STATES GREAT BRITAIN CERMANY HPANCE AUSTRIA DIESTA And other Patents Pending

Imperial Machine Co.

THE "VICTORIA" Vegetable Paring Machine

Principal Office and Salesrooms 41 WEST 33rd STREE NEW YORK, N. Y. Jd. S. A.

New York, April 4th/11

Mr. Thomas Brisch. Book just brought to West Orners. II. J. attention, Many theen

will you kindly advise me if you have received Dear Sir:-

my letter of Mar. 23/11 and copy of my booklet, which I

have sent you in connection with the same for eview and greatly oblige,

e very trely,

HR/ALI

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TO THOMAS A. EDISON.
THE GREAT INVENTOR

DEAR SIR :-

After you had invented you incandesent Lamp,

about ISSI, I had the honor of calling on you in Menlo Park, and we talked a long time that evening on sceince. The next day you went with me to your house, took one of the lamps out of the chamdlier and gave it to me, which I have treasured since as a mark of your kindness, we met later, but I did not want to take up your time.

For over forty years I have made a special study of science, and read all the works on that subject in different languages, I combined all in a work: THE WONDERS OF THE UNIVERSE, which I took the liberty to send you some weeks ago, The work I think Rives the fundamentals of all the discoveries to our day.

I would like, if you can spare the time that you would read the book. You will find that it contains a University Course condensed into 529 pages, and I think it will be useful to you,

No man of any age put into practical use, as you have, the discoveries of our time, I have always had a warn spot in my beart for you since the time we first met, and I hope you will live long and bring forth many inventions for the bettering of human life, after you read the work will you kindly let me know what you think of my little efforte.

Subscription Edition De Luxe \$5.00 the Copy

Pullentura

A THIRD VOLUME BY ROBERT GRAU

The Stage in the Twentieth Century

By the author of "Forty Years Observation of Music and the Drame"



Rising Generation Amusement

Mt. Vernon, N.Y., Kay the 20th 1911

Thomas A. Rdison, Esq.,

Orange, N.J.

MY 29 (1))

Deer Mr. Edison:

The scope of my new volume, being the final volume of the stage series, is such, that I have to tell you something about its comthat I have to tell you something about 125 com-plex character. I am treating in this volume of several phases of industry in which you and your achievements figure vitally. Of course the moving picture and phonograph phase I am familiar with, though in this book both will figure in a larger way than I ever expected, but it is the el-octrical phase of progress on the stage and in theatrical construction that I need your help, and I presume that you will see that I am provided with data as to the part electricity is playing

in solving stage problems.

The scope of my new work has grown considerably as I move along, and I have called upon a few of my subjects who figure conspicuously in the volume to render me practical as well as moral aid. I feel that you will look at this in a broad way, and if you care to subscribe for some volumes in addition to those which T shall send you, because of your kind contribution, this of course would be helpful. But do not hesitate to pass this up, if you are not impressed with the idea.

1911 you are not assessed at the left and that You have been as good to me in the past that I have not hesitated to tell you of the complex condition herein described. I may add the the book will provide at least a score of meant ticles, aspecially the phonograph phase, which has

impressed me tremendously.

I ought to tell you that your confreres in this field have ent me records from Caruso to "raptime", and this has inapired me, though it is semment incongruent to be without a few Milson productions. On you suggest some place when the Wilson records? I hope you will excuse the length of this latter, for probably I should have addressed some one other than yourself, but I am hoping that you may be a supported by the control of the semment of the provided by the control of the semment of the semment

Yours very sincerely,

ال_{اع}ة, 400- G have averaged \$ 13.69 \$15.00 wany different subjects by

May 31st, 1911

Mr. Harry Miller, Edison Daboratory:-

ir. Raisem in looking over the alippings I received from Lane's "ress Climping Hursen arked me what they more consting me. I told him that I am getting unlimited sorvices for \$15.00 per month. He selved me be the to thuse the success the constitution of the constitu

M. R. HUTCHISON.

MRH/GPW.

MEMORANDUM

18 YOUR REPLY

Mr. H. F. Miller:

May 6, 1911.

FRANK L. DYER,

Referring to your inquiry as to price we are paying for press clipping service, would say that we pay 2β per clipping to the Mational Press Intelligence Co. for unlimited service and unlimited territory on phonographs. We may the Monhatton Press Climping Bureau, 334 Fifth Ave., New York, 3 \$\beta\$ or clipping for the same kind of

service on moving pictures, so that the rate you pay of 3 1/3 \$\delta\$ would appear to be high.

I. W. W.

Ed. Personal

FIRST NEWSPAPER CLIPPING BUREAU ESTABLISHED IN UNITED STATES, LARGEST BUREAU IN EXISTENCE, INCORPORATED 1885.

Newspaper Clipping Bureau. Mataural Hisses Intelligence Companie

11 East 24th Street.

New York, July 21, 1911.

Thomas A. Edison, Esq., Orange.

orange,

W 24 911

n.J.

Gentlemen:

Following out our convermation of yesterday, have endeavored to get an average of the number of clippings sent monthly so that we night quote a flat monthly rate. We should be pleased to serve you on the monthly basis at the rate of \$5.00 per month covering all personal mention of Thomas A. Edison and his inventions or at the piece price basis of \$\$\frac{1}{2}\$ per clipping. As I explained, the piece price basis gives the concern a great deal better service, every clipping being looked over, whereas the monthly rate is the way we serve trade papers, less care being taken on account of the cheaper rate.

On the monthly basis of \$5.00 per month we would guarantee a minimum of 250 clippings taking the average by the year. If they run less than this we should be pleased to make a suitable rebate.

Thanking you for past favors, we beg to remain,

Very truly yours,

HATIONAL PRESS INTELLIGENCE CO.

W.Fletchy

A THIRD VOLUME BY ROBERT GRAU The Stage in the Twentieth Century 53 Elm Avenue Mount Vernon, N. Y., 10/25 1911 Har hu Edisin I have been very refurtant to Cace own attention to my writings fust, because they are bacung so numerous and second be cause I am not such a food as to flunk you are in such a portion as to need or later to products, lust some of my untings bars bien so widely quoted the I face I ought to Im the Endord . Which has

buten in penhaps a tundrice privationer and in the next 3, days a sever of articles of mine, relative to Join Vanious inventions are to appear I do not ask you to orply to my Cellers, gin are a busy man, and twomled like Im to Kum that in my lumble may I hars tred to help liplift the undustry of Cinamatography I am Just Commencing to track promewhere thear a good things from the need of arking help turn Books, and it om Care to make our Subscuptum Futhe forthcomy work the same as the last of womed by very belfful, you sent me & 50.06. The last Brook I'm sent & 50 What San well have the the the sent when the the the sent well and the the the sent when the the the sent well are the the the sent when the the the sent well are the sent when the sent well are the sent when the sent well are the sent well are



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Legislative Correspondents' Association

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Good Martin, No Ten Henry

JOSEPH J. JUDD, UNITE PIECE AND CHARGE, COMMAN, AMERICATOR PIECE MILLARD E. MCHARD, ALEXY AND FRANZ RICHTER, NEW YORK STATE ZUTION FRED W. WOSE, NEW YORK WORLS JOHN F. TREMAIN, AMERICATO PIECE WILLARD E. MCHARD, ALEXY AND FRANKLIN, THOY RECORD FRANKLIN, THOY RECORD FRANKLIN, THOY RECORD

Return Expose array Thave no methors and active about 1 Colorles star Book 19.11.11. 1824, 1911.

Nr. Thomas A. Haison,

your eminent mathematical nor an examination of the control of the

As a physician he had doe accommined quite flittle fortune, but was cheated out of it by a school nate, an architect, who fled the country afterward. As a mathematician he has any constructed perfect mathematical leases for optical purposes. Photography, Astronomy, etc., which if properly patented and protected could bring millions in return for good management, and I think you are the proper gentlemen for that purpose. I am authorized to negociate with a responsible party on a reasonable division of the profits, which you certainly will not deny, if the thing seems to you practical and having certainly a proof on hand, which justifies all expectations. My brother came by accidence to the

discovery, having a talk with a progressive photographer, who claimed that the photography was not yet up to date, not giving the exact result as a portrait made by an artist or a drawer does. By Dynhor proposed to construct a single lonne, but he said this was an impossibility, because there are four collecting lences necessary. Now I, myself, do not understand much about the subject, being only a journalist, but I have great faith in my brother as a mathematiciam, who shorodwas a young man s great talent for this knowledge which was proved when he passed the maturity examination and got a prize of 50 Thaler, a great sum at that time, from the city of Graudenz in Prussia. Later he studied mathematics at Koenigsberg for two semesters but had to give up and select a breadstudium and that was at that time the studium of medicine, but he always stock to his first love.

I also enclose a copy of the rules for his plan and ask you to

I also enclose a copy of the rules for his plan and ask you to give the matter your full consideration and let me know, what you think of it.

Very respectfully yours,
Offo bruswell formalist

87 Sumpter Street,

Brooklyn, M. Y.

C.S. The last be looffskall of Franking of M. has dediented 100,000 March for the win tier of the Newsell in two or thee years efficient the availed in two or thee years efficient he solution.



November 3rd, 1911.



Dear Mr. Edisons-

There are two reasons why I am writing you this letter.

First - you are an American and a good Roycrofter.

Second - we have just published "An American Bible."

This book has a message for you and for every true American who bolieves in the hands that work and the hearts that love. "An American Bible" will help mon to live long and well. It also ex-tends the firm faith that the Power that cores for us here will never desert us there.

There are a few of our subscribers whom I am anxious to have see a copy of this first edition Mr. Edison, and you are one of them. May I send you a copy in Oxford binding?

Please write me personally.

With love and blessings over.

Your sincere.

T.A. Edison. Orange N.J.

EH-MB

The Reverofters, East Aurora, NY

The Fra, Two Dollars a year? The Philistine, One Dollar ayear

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Many able men believe that this American bills is the most important book ever printed in merica. In order to secure an instant merica and the security of the

If you are already a subscriber to *The Fra*, we will extend your subscription for one. year, or you can have the Magazine sent to some one else, and the Bible to yourself, if you so desire.

The Fra Magazine is an exponent of The thinkers, the doers, the creators. The Fra stands for the divinity of business—for health, happiness, reciprocity, mutuality and co-operation. It believes in the hands that work, the brains that think and the hearts that love.

The Fra and a copy of An American Bible, four hundred pages, both for Two Dollars.

Oxford Binding—Certainly!

Che Rogerofters, East Aurora, Dew York

1- BW

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88		
То	THE ROYCROFTERS East Aurora, New York	
exp	You may send me for my inspection, ress prepaid, a copy of An American Bible,	١,
also	a sample copy of The Fra Magazine.	
,	If I am pleased with these when received,	
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scri	ption for one year for myself or friend, and	
rete	ain the copy of An American Bible, gratis.	
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53 Elman 12/6/10 Ded Souces of Vernan link Kar Im Edisin The Recent Express strike has played havoe. unto the delivery ofmy Volume. Haut is with the Early deliving -Ever Ince the Strike reached great proportions I sant all of min Books lay mail. Evan European a dein. but the Book had so large a Vogne. (non on ets 3 ra Edition) that I have had to cente to all of my subscubes to leave of they have received are of Then Volumes. I will thank you therefore to advers me on this point or & may Hum What todo

I wish to sufum you that since The issue of the newwork I have had several articles accepted from majornes and Priodicals, and I quote to you herewite the names of this 2 in Which you and Jomachieve. ments are a Vital factor. "advant of the talking Preture" 4000 words, accepted by the Moving Preturn World up etg. Fortunes in the morning Pecture fixed" accepted by the Daily american. My. als. Science and artifice revolontionizes the State accepted by "academy" Linden England. "Where were we look for our stage stars for the West generation, accepted By Pall Minde Smilming, " From Variety to Vandenice, the real Hasen for the Era of modern Vandeville " Clustinus Telegroft. my newbook has been in very large right near,

Managers, are ordering Copies to to But to their stoff at Holiday hime in the belief that they will provide them with an incentive In the same Traumer. Im Low. hu Fox and nu Proctor are ordering the work to be said to then Cocae Muniques, in order that the men Mohan become potent through the mices of morning Pedins may llum never of the hipper grades of the fleatre = I had no idea that I would become framanenty a with, but & han actually averaged an article a day in the last two mintas "Lippmcotts". "Progress" Theate, Independent. The historice and attentic Monthlies, all have one a mon of articles scheduled. The black of pur patient in the new book belongs to you and well be must be you as soon as I have fruited printing has book.



Mr Edien John der Marker pais for fine copie. Hut so far only one copy has seen received a that was rent up to your house M necessary of the

z TYSON-CO'S THEAT	, 1
THE NEW THEATRE. Control Park West, 626-630 Streets. Exemings at 8.15. Mair. Wed. and Sat. at 2.15	HUDSON THEATRE. 4(th Street, bet. B way and 6th Ave.) HERRAY B. HARRON, Owner and Madager Evenings state. Mat. Wed. and Sat. at 2.15
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Thanks for The little aconsider M. Levell a. Darr, with the complements of the region, bugs to fund Me. Edison nitte a copy of "Sam of the Simas" in which the author has attempted to forting the abunt human qualities of a noble Celefamia home who, like his ancestors was "inured to hardship and adventure"; and also the character of a study mountainer of the lienar in whom the " sick, sourowing or defensely man or beast muld south find "a cham-from to the last degree". 1113 Aur England Bolg Elevaland O. Dec. 25 1911

Chicopee Falls, Mass. Dec. 26th, 1911.

Mr. Thomas A. Edison,

West Orange,

N. J.

aurille

Dear Sir;-

I am sending you one of my Books, entitled "The High Cost of Living". Would like to have you read it, and let me know what you think of it.

Should it strike you favorably, and you could conscientiously say or do any thing in its favor, I would appreciate it very much.

I am sorry to say the Publishers did not do a very good job. The next lot will be Published in a more thorough manner.

Very truly yours,

H.M. Hartwell,

119 Church St.

I have read the work and have
opochew to the managers of
Houses pertiled have to anse
about it. There is plenty of
clear thinking in it but
I do not come to have name
used the Hope you were cheep
from the organism.



F. TAYLOR & CO.

PUBLISHERS &

IMPORTERS

Dec. 28, 1911.

Joseph F. Taylor W Edwin M. Miller

18 EAST SEVENTEENTH STREET, NEW YORK

Mr. Thos. A. Edison, Llewellyn Park, Orange, N. J.

aus 17/30

Dear Sir: At the request of the Drosden Publishing Co., we kent you a dedicated copy of the first addition of "Ingersoll: A Biographical Appreciation" by Herman E. Kittredge.

Will you kindly advise us if some has been received, in order that we may mark the matter as closed on our records, and oblige,

Very truly yours,

м. #25.

Jan Sight of



ROBERT G. INGERSOL.

Statue by Fritz Trichel. Unveiled Oct.
28th, 1911, at Glen Oak Park,
Peoria, Ill.

Erected by friends and admirts of Ingertoll
throughout the country under the inspects of
the Ingertoll Monument Association.

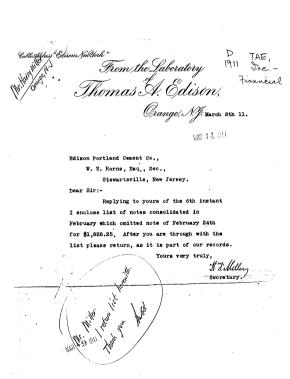
Edison General File Series 1911. Business Propositions [not selected] (E-11-26)

This folder contains unsolicited correspondence asking for Edison's support or endorsement of a business venture, invention, or idea.

Edison General File Series 1911, Cement (E-11-27)

This folder contains correspondence and other documents relating to the business of the Edison Portland Cement Co. and to the manufacture and sale of cement. The correspondents include Edison, Walter S. Mallory, president of the Edison Portland Cement Co.; and Emanuel Meyer, manager of sales. There are numerous letters regarding Edison's widely published plans to manufacture concrete furniture, a sample of which has been selected. A letter by C. B. Knott, manager of the Dakota Apartments in New York City, contains reminiscences about Edison's winter holidays at the Magnolia Springs Hotel in Florida.

Approximately 60 percent of the documents have been selected. The items not selected include additional semimonthly dealers' records; financial statements and calculations that duplicate the information in selected items; and unsolicited correspondence.



Richard W. Long.,

New York. Har on 24th, 191

Thomas A. Edison, Esq.,

West Crange. N.J. Must | 14

Dear Sir: -

By this mail, under seperate cover, I send you sample of Iron Oxide. This product contains 64.48% Iron Oxide. Could you use this product in connection with any of your many industries, and if so, can you set a value on it at which you could use it. Possibly there is One hundred thousand tons of it.

It has coursed to writer that possibly you might use it in connection with your coment, to give same a tile coloring. Awaiting your kind reply, I am

very truly yours

Dolan long



GENERAL OFFICES AND WORKS, RAPID CITY, SOUTH DAKOTA

THE ROYAL HMERICAN PORTLAND GEMENT (COMPANY

CAPITAL, \$3,500,000.00

(J)

Rapid City, South Dakota, April 3d #1811.

THOMAS .A.EDISON. ESQ.

WEST ORANGE. N J.

MY DEAR MR EDISON.

aus4/11/11 I take pleasure an mailing you to day one

of th Prespectuses of THE ROYAL AMERICAN PORTLAND CEMENT COMPANY OF

RAPID CITY S D OF Wich I am the Secretary and Treasuer . We have the greatest Coment Prepisiten that you ever saw and it

is new just a question of getting it Financed and the plant built, ER Edisen can you put me in touch with some one that we can interest with Capital or that eam interest Capital .

I am certain that you will be pleased with this .

I have made allusiem to your Coment Houses in our Book. We have an inexaustable suply of the Best Faw materal and the

Prepisiten is a Gravity one and it can be handled very cheaply, Thanking you for takeing up your time and Hepeing you can give

us seme Information that will help us ,

There and a Coment Co b. C. brabbins & East of the Museumps that Secretary bear self has made a cent in 3 years bear, self the made of Cooper aver 3 years have made of Cooper aver 3 years have good for a good for aver 3 years have good for a good for a

C. C. Crabtree

CALL OR WRITE TODAY

Ed - Hand

THE ROYAL AMERICAN PORTIAND CEMENT CO. THE ROYAL AMERICAN PORTLAND CEMENT CO., Rapid City, S. Dz.: DEAR SIRS-Wishing to swall myself of your offer of one share of Common Stock FREE with every two shares of 7 per cent Cumulative Preferred, I hereby subscribe and agree to pay for Shares of Preferred Company, with the Common free par value of shares \$100.00 each. Exclosed find dark of or money order, or the request that the shares be sent to your bank with draft statched. Name Address State. Street.

50 Church Street

Richard W. Long.,

New York.

Apl 6th, 1911

M3 3 - 511

Thomas A. Edison, Esq.,

West Orange. N.J.

Doar Sir:-

you.

On the 24th ulto I addressed you regarding Oxide of Iron and under seperate cover, on same date, mailed you smple of the product, but have not had the pleasure of hearing from you in reply.

Would very much like to know whether you can use this product in any manner, and if you can, what value it might have for

Hoping to be favored with your early reply, I am

Very truly yours

Pelan Coffong

Richard W. Long.,

c/o UNITED STATES STREET SWEEPER COMPANY

HUDSON TERMINAL BUILDINGS

NEW YORK

Apl 21st, 1911.

Thomas A. Edison Esq.,

West Orange, N.J.

Dear Sir: -

On the 24th ulto I wrote you regarding Iron Oxide, and by same mail sent you samples of the product; On the 6th inst I ggain addressed you on the subject, but have received reply. It does seem to me that if my communications had reached you I should have received the courtesy of a reply, I beg therefore to repeat the substance of mine of 24th ulto..

Have you any use for Iron Oxide (64.48%) in its natural condition ?., Could you use the same for a coloring effect in connection with your Cement, or in any of your other industries ?. If you are interested shall be pleased to submit you further samples, and to have you make a bid on the product.

Awaiting your reply, for which I thank you in advance

Very truly yours

2.20

Stes Sign

THE NEWTONIAN NEWTON BROS., PROPRIETORS

SYLVESTER NEWTON, MANAGER
Steam Heat, Electric Light, Return Call Bells, Hot and Cold

Delightfully and Centrally Located, New, Modern and Comthete in all its Attitutents. All Outside Rooms,

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Olison the Renew -

Jan Heiling

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THE NEWTONIAN NEWTON BROS., PROPRIETORS

SYLVESTER NEWTON, MANAGER
Steam Heat, Electric Light, Return Call Bells, Hot and Col.

Delightfully and Centrolly Located, New, Modern and Conplete in all its Appointments, All Outside Rosses.

I have lested the State in The Keather for 3 years and it is bolling are OK. I call the work of the state of

Tofice but less be breing him often Them. I would you to beek this work and blat, and tere my what you being et good for I have had et tested by chedant and they are van

et is good Obean let no her from you by eachel browning to blow and your of his book Klate Your Oping Wey Brely

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THE NEWTONIAN
NEWTON BROS., PROPRIETORS
SYLVESTER NEWTON, MGR.

SYLVESTER NEWTON, MGR.
SOMERSET, : : KENTUCKY



Show. a. Edison

Orange

For Mr. Edison's desk.

W. S. M.

August 21, 1911.

Mr. E. Meyer,

gr. of Sales,

New York, N. Y.

AUG 22 1911

Dear Sir:-

I beg herewith to hand you a revised dealers' list, on which you will note that we give the total number of active dealers (those to whom we have shipped during 1911) and the inactive dealers (those to whom we have not shipped during 1911).

Hereafter, the lists will cover only the two items, "Old Deslers Reinstated" and Thew Deslers Recured", Edether with the details. The world by will note that there is a large

number of inactive dealers on whom we can work, and certainly a very large proportion of them ought to be favorable to Ndison Cement, all of the conditions being equal, so there is a big field for your organization among the people to whom we have not sold, as well as neeple to whom we have sold and whose trade we have not retained. I would suggest that you take this list as of August let and show each one of your Sales Hanagers

-2-

just how many dealers he has lost in each State.

Yours very truly,

President.

WSM-RBS

MICLOSUTE: -

AUGUST 15, 1911.

Im Eduson

REVISED DEALERS RECORD.

	Total 7/31/11.	Inactive	Dealers "B"	Active "A"	Doalers "B"	
	13	9	11	θ	2	
Alabama,	68	29	9	39	0	
	1	9	1	9 3	0	
Disct. of Columbia,	ê	<u>9</u>	ē	3	0	
	13	g.	.0	. 4	0 .	
Delaware,	29	õ	15	. 0	14	
Florida,	69	ŏ	48	0	21	
Georgia,	15	ŏ	10	0	5	
Indiana,	4	ň	3	0	1	
Kentucky,		ň	ī	Ó	0	
Louisiana,		64	ō	77	0	
Massachusetts,		18	ž	9	0	
Maryland,		19	õ	27	0	
Maine,		0	ō	0	. 2	
Michigan,		19	ō	12	0 -	
New Hampshire,		19	ō	45	0	
New Jersey,		127	28	258	34	
New York,		-0	36	0	11	
North Carolina,		ň	50	. 0	27	
Ohio,		111	78	168	17	
		2	0	15	ο .	
Rhode Island,		ñ	37	-0	11	
		ň	1	0	2	
Tennessee,		ň	ï	0	0	
Texas,		14	ō	31	0	
Vermont,		8	15	7	4	
Virginia,		ń	9	0	3	
West Virginia,		۵۵	ō	Ò	1	_
Wisconsin,	1030		348	695	155	-

Total No. of active dealers 8/15/11 - 850

Total No. inactive dealers - 788

Wh Edwar

August 18, 1911.

AUG **22** 1911

SEMI-MONTHLY DEALERS RECORD.

		Old De Re-ins	alers tated	New De		Total	Total	
	Total	- A			======		225255525	
	2	0	0	0	0	0	2	
Alabama,	39	ő	ŏ	ō	0	39	0	
Connecticut,	0	ň	ō	Ó	0	. 0	0	
Canada,	3	ŏ	ō	0	0	3	0	
Disct. of Columbia,	4	ŏ	ō	Ó	0	4	0	
Delaware,	14	ŏ	ō	0	0	0	14	
Florida,	21	ŏ	ō ·	Ó	1	0	22	
Georgia,	5	ň	ō	0	0	0	5	
Indiana,	ĭ	ň	ō	0	0	0	1	
Kentucky,	ŏ	ň	ō	0	1	0	1	
Illinois,	ŏ	ň	ō	o	0	0	0	
Louisiana,	77	ŏ	ō	1.	0	78	0	
Massachusetts,	9	ň	0	0	0	9	0	
Maryland,	27	ŏ	Ó	0	0	27	0	
Maine,	2	ŏ	ō	0	0	0	8	
Michigan,	12	ŏ	Ó	1	0	13	0	
New Hampshire,	45	ň	Ó	1	0	46	0	
New Jersey,		ñ	Ö	2	0	260	34	
North Carolina,	11	ŏ	o	0	0	0	- 11	
	27	ō	0	0	0	0	27	
Ohio, Pennsylvania,		ō	Ó	0	0	168	17	
Rhode Island,		Ó	0	0	0	15	0	
South Carolina,		ō	0	0	1	0	13	
		ō	0	0	0	0	8	
Tonnessee,		ñ	0	0	0	0	0	
Texas,		ŏ	0	1	0	32	o	
Vermont,		ŏ	o	0	0	7	4	
Wost Virginia,		ő	0	0	0	o o	3	
Wisconsin,	1	ŏ	Ó	0	0	0	1	
MIRCOHSIN,	850	0	0	6	5	701	158	

Total 8/15/11, 859

SEPTEMBER 15, 1911.

SEMI-MONTHLY DEALERS RECORD.

Tota	Old De Re-ins 1 "A"		New De		Total "A"	Total
Alabama 2		0	0	0	0	2
	ŏ	ŏ	ō	0	39	0
	ň	ñ	ñ	0	3	0
	ň	ñ	ō	0	4	0
Delaware, 4	ŏ	ň	ñ	0	0	14
	ň	ŏ	Ö	ō	0	22
	ň	ñ	ō	0	0	5
	ŏ	ŏ	ō	Ó	0	1
Kentusky, 1	ň	ŏ	ō	0	0	1
Illinois, 1	ĭ	ŏ	1 .	0	80	0
	ā	ō	ō	0	9	0
Maryland, 9	ĭ.	ŏ	ō	0	31	0
Maine, 30	ñ	ñ	0	0	0	2
	ĭ	ň	ō	Ö	16	0
New Hampshire, 15	ń	ň	ō	0	48	0
New Jersey, 48	ĕ	ŏ	3	0	268	34
New York,297	~	ň	ō	ō	0	13
North Carolina, 13	ŏ	ŏ	ŏ	ō	0	27
Ohio,27	ŏ	ň	4	Ó	179	17
Pennsylvania,192	ň	ň	ō	Ó	15	0
Rhode Island, 15	ŏ	ŏ	ō	0	0	12
South Carolina, 12	ň	ŏ	ō	0	0	2
		ŏ	ō	Ö	32	0
Vermont, 32	Ň	ñ	ō	Ö	7	4
		ŏ	ō	0	0	3
		ŏ	ŏ	ō	0	11
Wisconsin,			8	0	731	160

Total 9/15/11, 891

Note:- "Old Dealors Re-instated" comrpises such old dealers we have shipped to during the month as had previously been eliminated from our list as being inactive.



Pan. Dedo

OCTOBER 15, 1911.

SEMI-MONTHLY DEALERS RECORD.

W 20 11

Total	Old D Re-in "A"	ealers stated "B"	New De Secur	alers ed "B"	Total	Total "B"
			^		0	2
Alabama,	Ŏ	ŏ	ŏ	ŏ	39	õ
Connecticut, 39	Ů.	ŏ	ž	ŏ	4	ň
Disct. of Columbia, . 3	0	ŏ	,	ň	4	ŏ
Delaware, 4	Ů.	ŏ	ŏ	ň	ň	14
Florida, 14	Ŏ	ŏ	ŏ	ĭ	ŏ	23
Georgia, 22	0	ŏ	ň	ñ	ŏ	5
Indiana, 5	ŏ	ŏ	ň	ŏ	ō	i
Kentucky, 1	0	ŏ	ň	ň	ō	ī
Illinois, 1	ŏ	ŏ	ň	ñ	84	ō
Massachusetts, 84	ŏ	ŏ	ő	ŏ	9	ō
Maryland, 9	Ň	ŏ	ě	ň	33	ō
	Ň	ŏ	ñ	ň	0	2
	Ň	ŏ	ŏ	ŏ	18	Õ
	ŏ	ŏ	ŏ	ñ	48	ō
New Jersey, 48	ŏ	ŏ	ĭ	ŏ	273	34
New York,304	ñ	ŏ	ň	ŏ	0	13
North Carolina, 13	ŏ	ŏ	ŏ	ň	ō	27
Ohio,27	ŏ	ŏ.	ĭ	ĭ	182	18
Pennsylvania,198	Ö.	ŏ	ń	õ	15	-0
Rhode Island, 15	ŏ.	ň	ŏ	ŏ	0ــــ	12
South Carolina, 12	0	ň	ŏ	ŏ	~~	2
	Ň	ŏ	ň	ň	32	0
Vermont, 32	ŏ.	ŏ	ŏ	ŏ	7	4
Virginia, 11	ň	ŏ	ŏ	ŏ	Ó	3
	ŏ	ŏ	ŏ	õ	ō	1
Wisconsin, 1	2	ŏ	5	2	748	162

Total 10/15/11,910

Note: -

"Old Dealors Re-instated" comprises such old dealers we have shipped to during the month as had previously been eliminated from our list as being inactive.

w.



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Mr Edward Land dance many was a control of the cont

Mr. E. Meyer,

ugr. of Sales,

new York, N. Y.

W 50 51

Dear Sir:-

In connection with the letter which I have written relative to the Bradley matter, I want to state that I commence to see indications of a change in the condition of general business, which has been growing poorer and poorer, as you know, for a considerable time, and while I am not as yet ready to go on record as to the business conditions of 1912, I am commencing to believe that the total volume of 1912 business will be quite a little bit better than that of 1911.

If the indications which I now see continue up until January, I will then be willing to go on record as strongly as I did last year as to a change in conditions. Please note that I am writing about general business conditions and not specifically about conditions in the cement industry, as it is a question whether some of the cement manufacturers would have mense enough to take advantage of the better conditions. You will remember that we had them in 1909, but Mr. J. Rogers Maxwell would not let us take advantage of them.

In making this preliminary prediction, I do it with the full knowledge that next year is a Preidential year, also in the knowledge that Presidential
years do not necessarily mean a slowing up in business,
and the only reason that makes me heetiate at the present
time in being more sure of the conditions next year is
the possibility of tariff agitation. I will not go into
details in this letter as to the reasons for my assertion,
but if you are at all interested I will be glad to give
them to you some time when I am in New York.

You will remember that the latter part of 1910, and particularly the early part of 1911, when I I was predicting a poorer condition of business, that I practically stood alone, and it did look in Jenuary and February of this year as if my calculations were at fault, however, while I could not understand the spurt in business it did not change my opinion of 1911 business, which you know proved to be correct, and my preliminary calculation now is based upon the same statistics and reasoning as it was last year, and has been for the past eight or ten years.

LOWELL H. BROWN 2 WALL STREET NEW YORK

aus"/7

November 1, 1911. on the little land

Mr. Thomas A. Edison,

West Orange,

New Jersey.

Dear Mr. Edison:-

It has been about ten days since I spoke to you about the maps of your magnette survey of New Jersey, and I am writing to ask if they are ready for us to look over as you so kindly permitted up to do when I saw you in your laboratory on Honday, the 20th of October.

The Board of Directors of the Company meat here on Friday to discuss plans for one minds and oxford furnace, and I hose to use the mean of the directory of the

About the time for our looking over your maps, would it be convenient for you to let us come to your laboratory some night as well as some Sunday? Mr. Peckitt, Mr. Mason and myself desire to thank you very much for this opportunity.

Yours very truly,

Paris 47 A



D Coment

The Edison Portland Cement Co.

HOMAS A. EDOSON, Chairman of Bos F. S. MALLONY, President I, INTOON THOMPSON, Vice-President I. F. MILLAN, Transver VM, E. HOMAN, Secty and Aust. Treas Telegraph, Foright and Passenger Station, NEW VILLAGE, N. J.

P. O. ADDRESS, STEWARTSVILLE, N. J.

Nov. 24th, 1911.

Mr. H. F. Miller,

Orange, N. J.

Dear Sir:-

NOV 25 PA

We have your favor of the 23rd instent in reference to statement of adjusting notes held by Mr. Edison. We are enclosing hererith statement showing how we arrive at our uncarned interest charges. You will note that in cases where the notes are written with interest included in the face of same, for instance those of July 11th, August 14th, September 15th and October 14th, we have allowed earned interest on the amount of the note not including the interest up to November first and this we have adducted from the interest which we had allowed and added to the note at the time the note was written, the belance being the uncarned interest.

We appreciate the fact that on such large amounts it will make come difference in the interest item if colculated on the exact number of days or for monthly periods, and in view of the fact that the interest added to the note was colculated in round months we considered it to be more equitable to determine the uncarned interest by

Mr. H. F. Miller,

method above outlined. On the notes writton with interest at 6% per annum nemoly; March 25th and September 28th, we calculated interest on the months and days as shown on the statement.

We trust that on rechecking this you will find it to be correct and that our method of making the interest adjustment will meet with your approval.

We are returning the original state-

ment herewith.

Yours truly,

THE EDISON PORTLAND CEMENT CO.

FED/D encls.

incre.

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pezi

STATEMENT OF ACCOUNT .

Stewartsville, N. J.,

To THE EDISON PORTLAND CEMENT CO., Dr. stewartsville, n. j.

Terms:					
Saturalno July 11 -	ZBalance by States	1121	Ad no 12	2937-63 1800-48	4738-11
aug. 14	107346.25	77	.0129	188477	3220-39
Sept. 15	103486-88	46	.0077	796-46	3103-11
och. 14	71278.22	. 17	.0028	199-58 1938-99	2/38-35
Betweenter Mar. 25 Bept. 24	9590.00	following & a following & and	.036	344.52 52.63	V)

HTATEMENT OF ACCOUNT

ville, N. J., Nov. 1, 1911

To THE EDISON PORTLAND CEMENT CO., Dr. STEWARTSVILLE, N. J.

Terms : nov, 18 earned in + 18112 day 0 4162675 35 310-81 2151-43 344-52 From 8/2520 11/1 7 mm. 6 cc 62.63 mor. 15 x 73416-54 apr. 14 8182.76 29646-63 1.343541 40

Stewartsville, N. J., Then a Edison T_{θ} THE EDISON PORTLAND CEMENT CO., Dr. STEWARTSVILLE, N. J. Term: 2.25 2740 140.63 2 349.40 521-61

ATTACHMENT/ENCLOSURE

· · · · · · · · · · · · · · · · · · ·	The Edison Portland	Cement Company.	
Voucher is.		range!	
ATE OF BILL	the property and the second se	erreturning the Pharmacon and State 1	AMOUNT
Orink nrie otar	anding notes & nto to flow. I terment accordance	Ant. adju , 1911 per ached	1344.068.10
Examined and found	correct,	F.(Dullen
Approved for paymen	at,)
		the Treasurer of The Ei	nison Partland Cement Co., Dollars,
in full of the above a	account,		
<i>s</i>			





NOVEMBER 30, 1911.

SEMI-MONTHLY DEALERS RECORD.

	Total	Old Dea	alors tated "B"	New De		Total "A"	Total	===
	EFERES					0	2	
=======================================	2	0	0	0	ų.	59	õ	
Albama,	59	ō	0	0	0	59	ŏ	
Connectcut,	4	ň	0	0	0	4.	0	
Disct. of Columbia,	ě	ñ	0	0	0	4		
Dolaware,	24	0	n	0	0	0	14 25	
Florida,	28	,	o o	0	0	0		
Georgia,	5		'n	0	0	0	5	
Indiana	5	0	ň	ō	0	0	1	
Kentucky,	1	Ů.	ŏ	ñ	0	0	1	
Tilinois,	_1	0	ŏ	ĭ	0	85	0	
Measachusetts,	84	U	ŏ	ñ	0	10	0	
Maryland,	10	0	ŏ	ñ	ō	33	0	
Maine,	33	o	ŭ	ň	ō	0	2	
Michigan.	2	0	Ů.	ŏ	ō	18	0	
Mow Hownshipe,	_ Ts	o.	Ů.	ŏ		80	0	
New Jersey,	/ 1	0	Ů.		ĭ	282	35	
Now York,	010	0	0	7	'n	0	13	
North Carolina,	. 10	0	Ů.	, o	1	ò	28	
Obio	. 27	0	0	, ,	Ď.	185	18	
Pennsylvania,	. 203	0	. 0	Ů.	ŏ	15	0	
Rhode Island,	. 15	0	0	, v	ŏ	10	12	
South Carolina, .	. 12	0	0	0	ŏ	ň	2	
Tennessee,		0	0	0	Ů.	34	õ	
Vermont,		0	0	O.	0	7	4	
Virginia,	. 11	0	0	o o	0	,	5	
West Virginia,		ō	0	0	0	Ŏ	,	
West Virginia,		Ó	0	0	0	796	164	

Total 11/30/11, ... 960

Note: -

"Old Dealors Re-instated" comprises such old dealers we have shipped to during the month as had previously been eliminated from our list as being inactive.

O.

1

Connett Jambe

. south mode see (n' godono 9 th) oda so i - aus 12/13 Mª Thomas W. Edison bear In I read in the evening Journal the announcement that you would poon manufacture concrete Juniture. I am landling a line of refrigerators and I have Then thought that they Deould be made from concrete Induch I believe is better then wood he if the refrigerator could not be made from all concrete it certainly could be lined inside instead of zone or galvanzy steel as most are now lines with. The material which you are going to use, will on place it on the market for sales if so, I would be pleased to bear from Jours Respectfully

Conset. Buildings

The Dukota. Number One West Seventy second Street, New York City.

Dec. 12, 1911.

aus, yy

Thomas A. Edison, Esq.,
MENLO PARK.

Thank him tray their it I ma Rock Com they have a depart of white beneatous a clary and present of they beneatous to carry and the Comment.

Dear Sir:----

When I was consider in the effice of the Engeois Springs Consider the Constant Fundamental Constant Fundament of the Constant Fundament of the Constant Cons

We see a lot in the papers the only unjis of which is
the very fertile imagination of reporters. But the following might be of
interest in concrete work even if there is no truth in the concrete
furniture" item. Prof. Carpenter of Cornell made pure white and absolute
ly hydraulic Portland Cement from the line rock I sent him when I was
ceneral Manager of The Florida East Coast Hotel Co's., Hotels. This rock
is every where about Mismi and is 98.6 pure carbonate of line. We looked
all over that section of Florida for the proper clay, silica and fuel,
but found neither. Now that Mismi harbor is open, coal barges and coal
schooners returning from Southern and Island ports could bring Mismi
rock to Jersey cement works, and I should think that the white coment
could be produced therefrom a very aittle over the coat of the present

The Aukota. Number One West Seventy second Nicet, New York City.

2 T. A. E. 12-12-11.

dark product. There is certainly a great need for a pure white Bort-

land cement. I give you this just as a matter of information and as a good thing to know even if of no use to you. I now have no interest in

wlorida. With regards and best wishes I am

Yours very truly

Manager.

Concrete furniture



I am enclosing under separate cover a recent copy of the Ohio Architect, Engineer and Builder containing an abstract of your New York Times interview on European architecture which has attracted attention here.

I have before me a copy of the New York Evening World of recent date, declaring your faith in the future of concrete furniture.

It strikes me that this subject is also interesting to the home builder.

I would like to ask therefore, whether it would be convenient to you to have my brother, Mr. B. A. Lloyd of New York, a very practical artistic furniture designer run over to see you and write us something on the possibilities of the "Gonorete bed room Set."

If you can kindly communicate to him at 428 State Street, Flushing, concerning your desires in this matter, I will regard it as a personal favor.

Very truly yours,

WSL/EB

THE SIOUX CITY TRIBUNE

ental

Confin

aring

SIOUX CITY, THURSDAY EVENING, DECEMBER 14, 1911. EDISON RECORD

DRON, FEDERAL PROBE OF WORN. DYNAMITINGPLOTS **NOW IN PROGRESS** COURT

Hyde Jury Governmental Investigation at naway's Indianapolis Will Extend Into at Least 17

States.

SH AIR" LIST OF 100 EXPLOSIONS

terfield He National Erectors' Association Helping Government-Inquiry Runs Back to 1905

OLD TRACKMAN IS S NOT OVERPLEASED WITH THE SIGHTS

Tie Walker for 32 Years Visits New York On Way to Ireland-This Is His * First Vacation.

SHIES AT THE TAXICABS

Rides in the Elevator, Thinks Nickel Too Much Money for Ride in the Subway.

Now York Day 14 -- A slightly



CABLE ADDRESS MERCHMAN-NEW Y

Mr. Thomas A. Edison, West Orange.

New Jersev.

NEW YORK FURNITURE EXCHANGE LEXINGTON AVENUE 46TH TO 47TH STREETS

OPERATED BY

MERCHANTS & MANUFACTURERS EXCHANGE OF NEW YORK

NEW YORK

15th December 1911. whops of euro

Dear Sir: ---

Our members are very much interested in the newspaper account of the concrete furniture, which you have perfected.

Our Forty Second Semi-Annual Convention and Exposition will be held here from January 15th to February 3rd, 1912, and more than 350 manufacturers will be in attendance, 500 traveling salesman and fully 3,000 retail furniture dealers from all over the United States. It has been suggested that all of our members would be very much interested in seeing a few pieces of your concrete furniture.

There would be no expense connected with the exhibit as far as you are concerned, and I will thank you to advise me whether you can provide us with a few pieces for display to our members at the time mentioned.

Thanking you for early advice in the matter, I am,

Yours very truly, NEW YORK FURNITURE EXCHANG

Concrete Francisco

Blum Brothers Inc.

NEW YORK OFFICE 31 UNION SQUARE

119

Miladelphia Doc. 15, 1911. 197

Cabinate of Concrete so far

Thomas A. Baison Co., your can seg disserm all wast orange, N.J. Your can seg disserm any tense Gentlemon:

Having seen the enclosed in one of our miladelphia papers, and being large users of furniture, the writer would like to know if it would be possible to see your new product and get an idea as to the styles, qualities, etc. We are always looking for something new, and if it would be agreeable our buyer would like to go over to your factory, and take the matter up with you.

Very truly yours,

Bin I Mornson Buyen

B.F.M./F.

[ATTACHMENT/ENCLOSURE]

HILADELPHIA, SAT

CONCRETE FURNITURE, CHEAP TO NEWLYWEDS, IS EDISON'S LATEST

\$200 Worth Will Furnish a House, and the Goods Wear Well

\$6 FOR A BEDROOM SET

Soon Be on the

Speak Dispeak in The North Assertion
WEST ORANGE, N. J. Die, K.
Thomas A. Dillens, who recently it
attents have been been been been to the control of the concrete house.
The term of the control of the concrete house.
The term of the control of the concrete house.
The term of the control of

where is a show that they can stand in the way of resisting handling by freight mes. At present the weight, of configuration of the property of the property of the property of the standard propert

what I red confident that we can give their part out as the part out a whole besteron that a the part out a whole besteron that a threat part out a whole besteron that a threat part out a whole besteron the about the part out a whole part out a part of the p

Concrete Farmiture Weodoern December 18th SOMUSTIC PARKSIDE: AVE. Mr. Thomas E. Edison, West Orange, M.J. Dear Sir:-We have noticed the different articles in as well as the Daily papers regarding your recent remarks on concrete furniture. We write to inquire if it would be possible to make a piano case in the same manner, and if same would be practical. Is this formula of yours for sale? If so, give us full particulars. Thanking you in advand for prompt attention, we are Yours respectfully, JD-NCB It is also illustrated in The of the Lehall be in a position in faw wantles to lesense wifis thing cabinet

ALS/ES

Dec. 18th, 1911.

Mr. W. Eckert:-

Please issue requisition to the Laboratory, covering labor and material to design equipment necessary for the manufacture of the new cement cobinet. This requisition should also cover the superintendence of installation of the outfit, as Mr. Edison has detailed a man from the Laboratory to lay out and take charge of this work.

ENGINEERING DEPARTMENT

Per SALTZMAN.

Copy to Mr. Meister.

280°

Consultant December 26th, 1911. Thomas a ldison, ld Lear Sir: at Panama, where my father is beeretary of the Lithman Ganal Commission, I have seen, both building and affect large barges constructed entirely of reinfred concrete. In Italy, I am told, lighters and bridge - portions of concrete have been to used for the last term years. Is there as

any reason why we, in provided the inspectors are the Vnited States, could not satisfied with the strength build of this material the and seaworthiness of the vessels so built I am told colliers and freighters we that you have made even need so sorely, both for our navy and our merchant delicate cabinet work of concrete, finer and stronger marine? mr John Parrett, than hardwood. If so, why can you not make railings, Chief of the Paureau of american stanchions, plates, subs; every Supublics, has arrived me

that there is no legal obstacle

to prevent such shipbulding, (2)

part of a ship except her

engines! Generate is used all over (1)

the Seven Seas to patch leaky, rust-pitted irm steamers. many an old trump today is more than half concrete below the waterline. and that will warse, couldey-mixed stuff, slapped on anyther leur

larges on the Isthmus use only a fraction of an inel thick,

and yet they carry dech

loads of porderous machinery

a capitalist, or a sailor; merely (13)

Jam neither an engineer,

a young man writing and lecturing for a living, provid

our people are doing on the istumus, and flearful lest we fail to make the most of it when it is some. Verhaps

I am an impracticable visioury, but I cannot see why a ship of reinforced soncrete, needing no painting, fearing neither (53)

barngules nor the teredo worm; Show the shipbrulder manned not by poor devile and shipowners the inefficiency of shanghaid wastrels, but a small, efficient, well paid of their methods, as you did crew of young americans, the street car men. Show such is we red in our hung them how expensive is today, could not bring her their present slave labor owners profits and bring (which is today what it back our flag to the sight was when Dana sailed seac. Our merchant marine round the Horn). If they came with wood, and went connot stomach a liner or a with iron; you could bring it back with concrete. freighter, show them a carfloat or a 1000 tm barge for the live Earth.

Serhafu you have already thought of these things, and I am anerely writing ame things for a bord exerctang to disf into the waste backet. But if you find any idea in dis letter that you care to followant, you say so would be all the reward I seek that, and you prime, if you have time to write me.

So write me.

So writen, Same, Parioh

So where there, Tealing, pass. (5)

awingro Dear Di - Yuse por account of your Concrete I chief result given in A. Y. Times. be pleased to know what mixture I am familiar with 1 you use. coment: 2 sand + 4 Stone : but for familiae I presume you use cometting I would also like to know Else. how you get a polish or enamel. Very Tul_ Engennings

Edison General File Series 1911, Cement House (E-11-28)

This folder contains correspondence relating to the widely publicized decoperation of Edison's poured concrete house and its potential as a low-cost dwelling for workers. Most of the material consists of unsolicited requests for plans and descriptions of the projected house and for information regarding its expected date of availability. There are also letters seeking an opportunity to exhibit Edison's model of the house, which had been displayed at Madison Square Garden in 1910. Many of the items contain Edison marginalla, usually indicating that a prepared circular should be sent in response. A few documents concern the independent promotion of pour concrete houses in Europe by George E. Small and Henry J. Harms, Jr, mechanical engineers and former edison employees who had assisted in the design of itom molds and machinery for his concrete house construction.

Less than 10 percent of the documents have been selected. With the exception of a few samples, unsolicited inquiries have not been selected.

suprised to precioe a reply, stating 111 Day No learne has Econ more HOTELS STAND PILE T COULD NOT be milel hotels stands in the council of the counci that a concern las made the proposition to the government, poure a 1000 houses on the Colison Less as Stall to you herse. Thomas It Cotion, Grange, My Hyston , and are basing their offerow a license granted to them by you It is very likely that owing to the Dear May or of tweet ou the name of great peputation everything connected with the tectisous name enjoys, all the The Lordmayor of Budapest, I had the world over, but as pecially in my county honor of calling on to Edison on the 17th that this proposition will be taken Choverber last, to make inquiries pagerdi scriensly into consideration, and healy The poured Courrete house Gatem. accepted . - Now Daw asked to explain Mr. Belison has been good enough exact with regard to the livence to make it clear to me, that nother What This concern claims to have will be done for a while in this case of obtained - generally mable to explain no liceuse has been granted up to this this time, as Mr. Edison will not the matter, and could repeat the place it before the public until the words only Mr. Golison said to me, full size house is poured to his own Though Devidently believe that satisfaction .the name and reputation of mr. I have reported this to the Colison is being franchelmth Lungarian Outlorities, and am greatly mispepresented.

I would find go ath obligad,

of you could knowle let me have
a few lines by return, stating
that no livence has being quarted
yet.— I am Sie you most respectfully
Joseph Baneth,
Registed Brittya with 3.—
Budepart
Hungary

The connections

P. E. LANE

ENGINEER - - CONTRACTOR

Thank you for the sharon when to come to collambia City will come to collambia City will come you have no true you will have no true you will have no

Thos. A/ Edison, Esq.,
Orange, W. J.
Desr Sir.-

Yours efforts to perfect a chiesp concrete rouss so entirenced

by new proces articles. A lattle booklet (Call
Your philotronic desire that the paper plass may have constituted by

sonitary fire-proof home, has prakened in me a accirculation of a marking you photographs, front and reversible of course from orete residence I designed and the course of the course o

Without any thought of commensation, I offer this bouse for your inspection and any merrices any be able to renter toward belight you to perfecting moulds and place for allow and cheep contribution of monolithic houses. I wrastled with a great many problems, educating as to the contraction of the concrete before the moulds were recoved etc. Allof this experience and that grined in constructing the monolithic main building of the Million Dollars Fier, is at your service.

Mrs. Lone and I would be pleased and honored to have you visit us in this house where it is possible your penetrating observation of a poured house that has been built and lived in for five years, might aid you in solving the difficult problem you have in mind.

vour trily, FE. Lave

HON, GEO, P. GRAMAN

PETER GILLESPE, B. A. So

Canadian Coment and Concrete Association

57 ADELAIDE STREET, EAST

les 1/10/11

Thomas A. Edison, Esq.,
Orange, New Jersey.

Dear Sirte

We have your favor of January 4th signed by Mr. F. H. Miller, explaining that the model exhibited at the New York Show will not stand shipment to Toronto. We would, however, repeat our request as far as the slabs and sample forms, which formed part of the exhibit, are concerned. These attracted universal attention and would in themselves make up quite an exhibit. If we could arrange with you to have several photographs taken of the model, and even if possible of the partially completed house in the yards of your laboratory, we believe they could almost be considered as satisfactory as if you could let us have the model itself.

We desire to put you to as little inconvenience as possible in this metter, but as we explained before we consider such an exhibit would materially enhance the value of the Show to everyone concerned.

Yours very truly,

GANADIAN CEMENT AND CONGRETE

Secretary Transmiss

[ATTACHMENT/ENCLOSURE]

Canadian Cement and Concrete Association

OFFICE OF THE SECRETARY 57 ADELAIDE STREET, EAST TORONTO

aus 1/4/11

Thomas A. Edison, Esq., Orange, New Jersey.

Dear Sir:-

The writer attended the New York Coment Show in the interests of the Canadian Coment & Concrete Association, and was particularly impressed with the universal interest taken in the particularly impressed with the universal interest taken in the model of your gost concrete house. There is no doubt that it would be greatly to the adventage of our Association to have this exhibit at our Show in Toronto, in March; of course we would not exhault at our snow in foreign and expect to put you to any expense in the matter, but if you could allow the exhibit, as it was in New York, to be loaned to us, we should see that it was returned to you in perfect condition.

Our Association is entirely professional in the nature and scope of its work, and at the forthcoming convention prominent representatives of Cement and Concrete Engineering, Manunfacturing and Construction from various parts of Canada will discuse the phases of the industry. Our Cement Shows in the past have been remarkably successful, except from a financial standpoint, and the fact that there has always been a deficit is satisfactory proof that they have not been run as money making ventures. We are enclosing with this a copy of our forms of application for space, but send this only for the sake of the floor plan of the St. Lawrence Areas which it contains, each the Show will be held from March 6th to lith and will follow the sake the Show will be held from March 6th to lith and will follow the sake the Show will be held from March 6th to lith and will follow the sake closely on the Cement Show in Chicago, but will not interfere with it, in fact we believe a number of concerns will ship their exhibits directly from Chicago to Toronto. It is the opinion of the writer that the granting of this request will be of material assistance both to the Canadian Cement & Concrete Association and to this Cement Show.

We sincerely trust you will see your way clear to accede to it.

Yours very truly.

GANADIAN GEMENT AND CONCRETE

ASSOCIATION. Secretary-Treasurer

[ATTACHMENT/ENCLOSURE]

Third Annual

CEMENT

AND

CONCRETE EXHIBITION

Under the Auspices of the Canadian Cement

and Concrete Association

TORONTO

St. Lawrence Arena

March 6th to 11th

1911

PRESIDENT PETER GILLESPIE

WM. SNAITH
SECRETARY AND MANAGER
57 ADELAIDE STREET, EAST
TORONTO

au 1/18/11

Mindegraff to see the law the law the see of the law to see of the

Dear Mr. Edison:

Are you looking out for the artistic character of your concrete houses, getting good models to begin with?

Remember that there is a special ring in Hades (not mentioned by Dante) for the man that lets an ugly building be constructed when it might be beautiful.

Now throw your brickbut at me!

Yours, with old-time admiration,

Mr. Thomas A. Edison.

Real Estate Exchand

and Auction Bound of the construction of the c

Thomas A. Edison, Esq., Dear Sirt-

I was very much interested in examining the model of your concrete house and various moulds at the Real Estate and Ideal Homes Exposition at the Madison Square Garden in New York May last, and which I described to the Directors of this Exchange as its most interesting feature.

The Directors, feeling that the ownership of homes was a fundamental guard to the family, and that therefore, the erection of small dwelling houses should be strongly encouraged in Boston and its sister communities, voted to encourage the holding of a similar land and home exposition in Boston to be held April 3-15 next.

They have also authorized the award of a prize of one hundred dollars for the best plan of a small dwelling house, which is to be shown at the April Exposition, to be based on tasteful design, econom ical construction and interior arrangement.

No exhibit could be more interesting to the general public and the home-secker than your model of the moulded concrete house, especially in a city like Boston which needs the small house, and you would oblige us all by showing it to us in Boston in April as was done in New York last spring.

The enclosed circular explains the action of the Directors in favoring the Exposition.

Hoping for an early and favorable answer,

Very truly, yours,

[ATTACHMENT/ENCLOSURE]

REAL ESTATE EXCHANGE AND AUCTION BOARD 4, LIBERTY SQUARE BOSTON

Real Estate and Ideal Homes Exposition.

HORTICULTURAL HALL

APRIL 3-15, 1911

BOSTON, December 10, 1910.

TO MEMBERS:

A local Real Estate Exposition, the first of its kind in this country, was held in New York at the Madino Square Carden May 18-2 jast. In this exhibition there were assembly some former between the second of the control of the cont

The success of the first enterprise encouraged its projectors to announce a second similar exhibition, to be held in New York April next, in the Madison Square Garden, and the example has spread to other cities.

The question of encouraging a similar exposition in Boston was referred by the Directors of the EXCHANGE to a Committee, which reported favorably and advised that the endorsement of the EXCHANGE be given to such an enterprise but without seeking profit or incurring financial risk or liability.

The Directors, believing that the holding of such an exposition in Boston, to embrace the land attractions of the entire Greater Boston community, would be highly deducational and operate as desirable stimulus to the acquiement of homeature basis of a firm real estate market and of a healthy civic force—at a special meeting held November 1 last, voted the appointment by the Fresident of an

[ATTACHMENT/ENCLOSURE]

ADVISORY COMMITTEE to advise with the organizers and managers of the enterprise as to details, regulations and advertisements, providing that no financial liability or responsibility be placed on the Exchance, with power to add to their number and to select a General Committee of those especially interested or who may desire to encourage the holding of such real estate exhibitions.

The Advisory Committee believes that the interests of real estate in the Greater Boston cannot help being subserved by such exhibitions, which if properly supported may become popular annual festivals of home progress. No community in the world can assemble more varied and attractive landscape miniatures of lands awaiting the home-seeker. The man who desires to own a home, but finds no time for inspection of the many scattered sizes in Daston and its suburba, is given the opportunity through such an exposition to examine and compare many such sizes to the control of the compare many such sizes to the control of the compare many such sizes to the control of the compare many such sizes to the control of the compare many such sizes to the control of the control of

The Greater Boston Real Estate and Ideal Homes Exposition, Incorporate, E. J. Rowe, President and Manager, 80: Colonial Building, 10: Boyston Street, Boston (Telephone Oxford 416), will organize a Real Estate and Ideal Homes Exposition, which will be held under the anaptices of the Excansors and with the advice of the Advisory Committee as to details, regulations, etc., at Horticultural Hall, April 3-15, 1911. MR. Row, of the firm of Green & Rowe, is highly commended to the Committee as an experienced exposition organizer, the firm having managed many exhibition enterprises in Boston and other cities, and lately closed with success this year's Mechanics Exhibition. Applications for prospectus and other information should be made to the Exposition Company at the above address.

The Advisory Committee bespeaks the cordial and hearty encouragement of the members of the EXCHANGE for the enterprise through the display of lands or otherwise. The co-operation of all others interested in real estate will be welcomed.

ADVISORY COMMITTEE:

FREDERIC H. VIAUX, Chairman. A. DUDLEY DOWD.

MARK TEMPLE DOWLING. PAUL M. HAMLEN.

SAMUEL H. HUDSON. ARTHUR H. WILLIAMS.

STEPHEN W. SLEEPER.

NATIONAL, No. 1136 ARGYLE, POST OFFICE, No. 136.



Telegrams:
"GLAZING, GLASGOW."

from Potier, Stewart & Hardie,

AGENTS FOR BUILDING SPECIALITIES.

93 HOPE STREET,

Glasgow. 26th January. 1911

Thomas A. Eddison, Esq., Orange, New Jersey. Resident

Dear Sir,

In reply to yours of January, 10th, would you kindly say when Mr. Eddison's experiments are likely to be finished, and oblige.

Yours feithfully,

Entry to make a dummer

CHARLES FIRMED ADMIS, 20
SECRETARY-TREASURER
FREDRICK NAME

WICE-PRESIDENTS
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Real Estate Exchange and AuctionBoard COARD OF DIRECTORS
CHARLES FRANCO RAND, 20
ANDRY \$LOT
LOSIS C. WALA
AREL IN PROCTOR
A. SUMMED DARKER
COME P. SETHOLOS
AND W. FISTHOLOS
AND W.

Mon

APPLETON BUILDING, NO. 4, LIBERTY SQUARE February 6, 1911.

Thomas A. Edison, Esq.

Dear Sir:-

We were much disappointed at receiving your letter of the 26th Jammary Last saying that the model of the Edison concrete house would not bear transportation to Boston for exhibition at the Real Matate Exposition to be held here April 3-15.

We understand that a small model about 2 x 3 was shown at the late Cement Show. Would it not be possible to have this model shown here or even a large photograph with samples of the models? The management of the Exposition assures that space for such an interesting entibit would be furnished without expense.

Asking a favorable answer at your convenience,

Very truly, yours,

FIF. Find



GREATER BOSTON REAL ESTATE IDEAL HOMES EXPOSITION HELD UDGER THE AUSPICES OF THE AUSPICES OF

Real Estate Exchange and Auction Board

ADVISORY COMMITTEE
FREDERIC H. VIAUX, CHAIRMAN
MARK TEMPLE DOWLING
STEPPLEN W. SLEPER
SAMUEL H. HUSOM. HAMLEN
A. DUGGET DOWD
A. BURTHUR H. WILLIAMS

GREATER BOSTON REAL ESTATE AND IDEAL HOMES EXPOSITION, INC. E. J. ROWE, PREST, AND MANAGER D. F. CONDON, SECRETARY ASSESSED ALL CORRESPONDENCE TO

Mr. Thomas A. Edison, Orange, New Jersey.

Dear Sir:

Mr. Frederic H. Wiaux, Section of the Real State Excludings, who are string the above Reposition, has requested me write you compared to the strength of the string via the strength of the string that the strength of the strength of the string that it is impractible for you to ship the model that you now have of the Salison power doesnet how the string that it is impractible for you to ship the model that you now have of the Salison power doesnet house.

I suggested to Mr. Viaux that we could have a model made here by a Mr. Baston, this model to be made either of wood and covered with a coating of cement, or made entirely of cement and to be the same size as the one you have at Orange. I will guirance that this model will not cost your Company over \$100, probably lead to the this model will not cost your Company over \$100, probably leads.

The Real Metale Exchange, composed of the better class of dealers and operators of Greater Boston, are very much interested in gotting at the property of the state of the sta

We will feature your exhibit in all of our advertising, including the newspapers, and thereby attract such attention to your Cament Company that cannot help but secure considerable direct business. The. Mr. Baston referred to is an expert model maker and makes all the models for Olnsted Brothers, the well-known Landscape Architects, and several other well-known architects and builders of this city. Mr. Baston is now executing an order for a model of the National Snownut Eank of Boston who will exhibit in the Kaposition.

Mr. Baston tells us that he can execute this work in a satisfactory manner if he has a photograph of one or two sides of your present model. This model, of course, will remain your property at the expiration of the exposition and could be used in other exposition work.

I will appreciate it very much if you will carefully consider this matter and decide to be represented with us. Hoping to have an early and favorable reply, beg to read:

Vours very truly,

GREATER BOSTON REAL ESTATE AND IDEAL HOMES EXPOSITION, INC.

EXPOSITION BULLETI

PUBLISHED IN THE INTERESTS OF THE GREATER BOSTON REAL ESTATE AND IDEAL HOMES EXPOSITION 100 Bost eroy Symper, Boston

Scope of the Exposition Admirable Location for a Display of Features

Vot. I. No. 1

GARDEN AND ACCESSORIES The Ideal Homes Expesition Offers Exceptional

FERRITARY, 1911

Admirable Location for a Display of Features

Essential to a Home Beautiful

There desert issue in the medicated prices of these systems are in the converse of the systems of the systems and the correct of the systems are in the systems of the systems and the correct of the systems are in the systems of the systems of the systems and the systems are repeated to the systems of th

REALESTATE AND IDEAL HONES REAL ESTATE AND FXPOSITION

HOMES EXPOSITION, INC. E. J. ROME. PRESENT AND MARKE H. P. MCNALLY, ENTER OFFICE, 100 BOYLSTON STREET ROSTON, MASS PHONE OXFORD 4136

DOSTON, FEBRUARY, 1911

EDITORIAL

The juryses of this little paper is call your particular astembre to the forest or particular astembre to the forest or position, which will be held in Hortensteral Hail, at the corner of Massachuserts Agail, at the corner of Massachuserts Agail, as the corner of Massachuserts Agail, 18, includive. This exposition, the first of its kind ever held in Boston, will be a forest of the first of the first of the deep leading, the building, the espisipacent, the adormners, the improvement and the environment of the modern

ment and the environment of the modern dwelling-place.

Every phase of domestic life will be in-cluded in this superbly arranged exhibi-tion, from the house building to home industries; from the phase of the architect to the finished product and all that goes to make the home beautiful, confortable and secure.
The principal factors, after the design-

The principal factors, after the design-ing, are probably the leading, the light-ing, the ventilation, the furnishing, the decorating, and the preparation of foods, and all of these essentials will be clearly and completely shown. The scheme is samikious and far-reach-ing; there will be many practical, working displays, and the concrete intent is to bring home to the mass of home foreing. nring home to the mass of home lovers of moderate purse the possibilities of getting a home and, when once it has been se-cured, the making of it the sweetest place upon earth.

OFFER PRIZE FOR PLANS Prize Offered by Real Estate Exchange for Bost

Plan of Low-Cost Building The Directors of the Real Estate Ex-change have voted to encourage the build-ing of small dwelling-basses throughout Greater Hoston by offering a prize of \$100 for the best plan of a small dwelling-house

REAL ESTATE DEALERS. ARCHITECTS AND BUILDERS Method of Exhibiting at the Real Estate and Ideal Homes Exposition next April

Without giving much thought to the most substantial class of Gibrent in the molecule of the molecule of the control of the con



TOPOGRAPHICAL MODEL. -One of the methods by which the Real Estate Dealers will exhibit at the Real Estate and ideal Homes Exposition, April 3-15

why he should be interested in an inishing and decorating can also be shown, son why ine should be interested in an initialing and decorating can also be shown, ideal from Experimen, and there is and the side and from an back-cievations, or contains a such as enterprise should be or construction work, in fact decised a very point in such an enterprise should be or construction work, in fact decised as every bina abundant fault.

The work of the architect and builder, line of an ideal Home can be made evi-



MODELS IN WOOD, CEMENT AND PLASTER PARIS.—One of the methods by which Real Estate Desices, Builders and Architects will exhibit at the Real Estate and Ideal Herone Exposition, April 3-15

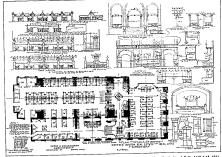
ere considered, is the planning and erec- | dent even to those dull of perception here considered, is the planning and erec-letts of bounes—we have nothing to say. Real estate dealers, architects and through the designer and hubber of hast-locked by the same of the designer and hubber of hast-locked by the same of the same of the same of the newsharks, foreign and all the time, has England as the yell have from April 5 to ted with Ideal Homes and the seekers share tolden thouse—the very best and in Hentichtenia balt.

According to Section 2, position 2, positi

February, 1911 Greater Boston Real Estate and Ideal Homes Exposition Bulletin

LIST OF EXHBRIS

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Detail Plan of Space and Booths of Greater Boston Real Estate and Ideal Homes Exposition, Norticultural Holl, April 3-15, 1911

DESIRE FOR OWNING A HOME GOAL OF THE AMBITION OF ALL CLASSES OF MEN

HEATING AND LIGHTING Two Essential Features of Ideal Homes, Which

DESIRE FOR OWNING A HOME

BOAL OF THE AMBITION OF ALL CLASSES OF MEN

IS STORING in the Heart of the Savage of Various

Lands and Glimes as swell as in the Minds

of the Boat Civilized Peoples

The street of the production of the control of the c

Republic Iron & Steel Company

Sylvan Works,

T. DAHNEY, SUPERINTENIX Moune,Jw.,

Feb. 18th, 191

La Pill Con lead

Mr. Thomas Edison,

Dear Sir:

In reading technical magazines and other papers

bearing on the work of concrete I have become very much interested in the Edison Concrete House, especially the plan of the twoand one-half story house to be shown at the Chicago Concrete Show. cost \$2500.00.

In this section of the country the concrete house is unknown, coment block, brick and wood being the only style of architecture. This locality is composed of three towns, all adjoining, with a population of about 125,000.

Will you please give me full information in regard to these houses, who owns the patent right to same, who I could get to put up a sample house, what finish could be put on the inside, in other words, give me complete information for a six room house and bath. The first house I would like to have built by some builder who thoroughly understands this work. I believe the house would take very well and in that event considerable business might be secured in this locality.

The house which I have in mind would have a large

Republic Iran & Steel Company Sylvan North 2. Moline Ill, Signal North

living room across the front of the house, with a small reception hall, a fire place in the living room, and dining room and kitchen on the first floor with three bed rooms and a bath on the second floor.

Thanking you for any information you can give me in regard to this, I am,

Yours truly, Sabruy



Mr. Thomas A. Edison, c/o Edison Storage Battery Co., Valley Road, West Orange, N. J.

MILLTOWN, N.J., U.S.A. collection of W

Dear Sir:-

Please find enclosed a letter refeived from our French firm addressed to you, translation of which we also enclose.

Yours very truly,

MICHELIN TIRE COMPANY

RM/MCH

PLEASE ADDRESS ALL COMMUNICATIONS TO THE COMPANY DIRECT.

Direct your reply

[ATTACHMENT/ENCLOSURE]

MANUFACTURE

CAOUTCHOUC

PARINER & DAUBRÉE 1832

BARDIER & DAUDRÉE 1832
BARDIER, DAUBRÉE & CF 1863
ERNEST DAUBRÉE & CF 1864
J. C. BIDEAU & CF 1867
MICHELIN & CF 1889

76/6grammes: PNEUMICLIN.CLERMONT-FERRAND

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ADRESSER LA RÉPONSE A MICHELIN & CIS-SERVICE B

Prices Annexies:

Clermont Terrand, le

Michelina

Monsieur EDISON

Monsieur,

Nous avons lu avec un vif intérêt les articles parus dans plusieurs journaux français à la suite de l'innovation: que vous avez faite en construisant des maisons économiques, coulées en béton de ciment dans des moules en fonte.

L'accroissement rapide de la population ouvrière de notre Ville ayant fait augmenter dans des proportions considérables le priz des loyers, nous avons, depuis quelques années, cherofié à remédier à la pénurie et à la cherté des Bogements en construisant des habitations saines et économiques pour les nombreux ouvriers de nos usines.

C'est ainsi que depuis deux ans nous avons édifié, sur les nombreux terrains achetés dans ce but, trois grandes maisons collectives, renfermant près de 100 logements, et près de deux cent cinquante maisons individuelles, groupées par T.S.V.P...

Nod Nº 134.d F

[ATTACHMENT/ENCLOSURE]

MICHELIN & C'E

Monsieur EDISON

6/2/1

-9-

deux, par quatre ou par six.

Les demandes de location que nous recevons, chaque jour plus nombreuses, nous font un devoir de continuer la réalisation complète de notre programme, qui comporte encore la construction de plus de cinq cents maisons individuelles.

Dans les études que nous poursuivons pour la x construction de ces habitations, nous semmes constamment guidés par le désir d'aller vite et de les faire économiquement, de façon à baiser le plus possible le prix des loyers et donner ainsi à la population si intéressante de noys ouvriers le marimum de bien être pour le minimum d'argent, d'est pourquoi nous avons pensé que vous voudriez bien nous autoriser à mettre à contribution votre grande expérience en nous indiquant les ouvrages traitant des habitations que vous avez édifiées, les Maisons ou Sociétés construisant d'après votre invention ou les personnalités susceptibles de nous donner les renseignements qui nous intéressent; plans, devis, prix de revient, prix de location, etc...

La solicitude que vous montrez pour le personnel ouvrier américain, nous fait espérer que vous vou-drez bien, en raison de la similitude du but que nous poursuivons, acqueillir favorablement notre demande et nous faire envoyer les renseignements que nous prenons la liberté de vous demander.

Veuillez agréer, Monsieur, avec nos remerciements, l'assurance de notre considération la plus distinguée.

Milli

513.JF 147

Translation of a letter from Messrs Michelin & Co., Clermont-Ferrand, France, dated Feb. 6, 1911.

Mr. Edison.

Dear Sir:-

We have read with great interest the articles appearing in many of the French magazines regarding the immoration that you have made in building economical house of concrete in cast from moulds.

The rapid increase of the population of the working people of our city having increased the rent in considerable proportion, for a few years, we have tried to remedy the scarcity and the high price of tenements by building sanitary and economical houses for the numerous employees of our factory.

It is thus that during the past two years we have erected on the large tract of land bought for that purpose three large houses for accessodating one hundred tenements and about two hundred fifty individual houses grouped in twos fours, or in six.

The increasing demand for rents received daily leads us to continue the complete realization of our programme which still includes the construction of more than five hundred individual houses. In our studies for the erection of these tenements we are constantly guided by the desire of rapid work and to build them economically so as to lower, as much as possible, the cost of rents and thus give to the interesting population of our employees the maximum comfort for the minimum cost. Therefore that is why we thought that you would kindly authorize us to

-2-

take advantage of your broad experience by informing us of the works treating of the dwellings you have ercoted, the name of the firms constructing them as per your invention, or the persons able to give us the informations interesting to us: plan, cost, rent, etc.

The interest that you show in the American employee leads us to hope that you will, considering we are following the same purpose, favorably receive our request and give us the information for which we take the liberty to sak.

Thanking you in advance, we remain,
Yours very faithfully,

AMERICAN NOVELTIES

IMPORT UND EXPORT AMERIKANISCHER NEUHEITE

TELEPHON Nr. POSTSPARKASBEN-KONTO Nr. 94.293 WIEN
IV. WOHLLEBENGASSE 5

FILIALEN IN
LONDON UND NEW-YORK
INTERNATIONALES KOMMER-

ZIELLES BURO

UND FREMDER PATENTE

ALLEINVERKAUF

DER LAYTON PATENT-FEUER-UNTERZUNDER - EVER-READY-DES LAYTON ENTWICKLUNGS-APPARATES F. TROCKEN-PLAT-TEN OHNE DUNKELKAMMER DES LAYTON FERN-OFFNERS FUR TORENSCHLÖSSER

DES LAYTONS ZUSAMMEN- :::
SCHIEBBAREN TASCHENOFENS
FOR ZIMMERERWARMUNG
DES LAYTONS ZUSAMMENLEG-

BAREN TOURISTEN- UND MILI-TARZELTES DES LHYTONS ZUSAMMENLEG-

BAREN LEINWANDBOOTES ETC. ETC. ETC.

KORRESPONDENZ IN DEUTSCHER, BÖHMI-SCHER, UNORRISCHER, FRANZÖSISCHER, ITALIENISCHER, ENGLISCHER UND RU-MANISCHER SPRÄCHE.

<u>u</u>--



We bring great interest in the invention of Mr. Thomas Edisons cheep buildings for workmen constructed through the process of moulding.

As there is just now a great movement supported by the Covernment in regarding the buildings of cheap houses for industrial and country workmen the above mentioned invention is also in Austria-Hungary of great importance and will not need much trouble to found a society here at once, when the invention is made public in the right way. As we are in close connection with the gentlemen, who has to refer as Reliable of the country-workmen, we can say, that we would be able to introduce the above mentioned invention with the prospect of a surely result.

We beg of you to let us know the conditions under which you would give us the representation of your hon, house not only for Austria-Hungery but also for the other states of Europe-

We await the favor of your answer and remain

Yours faithfully
C.E. Layton & Comp.

C. Edgin Saytus

To the hon.Manager of Edisons-Park

U.S.A.

The soul of the last of the la

Mothing pleases me more blace to break Engineers peel there see on second as to the centamby of fending of fending of Experiments as worked of my works are functions of my works are functions.

SCIENTIFIC AMERICAN
MUNN & CO., INC., PUBLISHERS
361 BROADWAY, NEW YORK

EHERS ARDY A

February 28, 1911.

Thomas A. Edison, Esq.,
West Orange, N. J.

Dear Sir:

The March mid-monthly number of the Scientific American is to contain a number of articles on the subject of Portland cement. We are sending you a galley proof of one of the articles, written by Mr. J. P. H. Perry, of the Turner Construction Company, which may interest you, for the reason that reference is made to your system of constructing monolithic houses. Mr. Perry states very frankly that he considers the difficulties in the way of your system unsurmountable. We believe that Mr. Perry is right, but desire to be entirely fair to you, and would like to hear from you on this subject. We are informed that you yourself have serious doubts of ever solving the problem.

Yours faithfully,

The One-piece House

By J. P. H. Perry

M ONOLITHIC conserve houses may be grouped into
hier-classes, firepronf, semi-fleeproof, non-fireproof,
and the purpose of this article is to describe, first, how
the houses included in each of these qualifications are

and the purpose of this article is to dyscribe, first, how the houses included in each of these qualifications are built, and, account to show the indvantages each possess as compared to other and perhaps better known types of Joseph construction.

By "mouthful concrete is neveral concrete, powered in price in distribution to primeric much bits bright at price in the distribution of the pilot of the numer of bright work.

The fireprior concrete limits to a least value which we wish scattall pilot the works be all of concrete. Bright, or pilot scattall pilot the works be all of concrete. Bright, or pilot of the binne made of wewerler, but it has ease will be allowed by the pilot of the pilot of the pilot of the blance. Despite the typenes pilotly and abstribling limits to the pilot of the pilot of the pilot of the the concrete contravier to the order that comprete houses are be billed as despite as the frame bright which is a fine pilot of the tentor of the pilot of th

sense of the work, a concrete horse will code, considerably more money has the frame home are lower it bedge, more money that the frame home are lower it bedge, and the construction of a relatered concrete force of the construction of a relatered concrete force of the construction of a relatered concrete force of the construction of the constru

A successful ownerste home commet be databated under the surbifiert and the contraster and in from the lote of the contraster and in from the lotse of the contraster and the form the lotse of the contraster and the contraster and such later and the outstreader work logation, but they must have the article conspurint on the owner and such later appreciation on his part that he to going to the contraster and the contraster and the contraster and which he expects will limit then at no such the boson. If these emittines on met, it is colledy possible to burn the contraster and the contraster and the contraster and trend about this country which are in every way subtered about this country which are in every way subtered about this country which are in every way subtered has the contraster and the contraster and these converted beams are many and largely technical. It will be inlated to the contraster and the location of the contraster and the contraster and the contraster and the location of the contraster and the

as suggested for consideration.

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So far to the white belief, in sulfaddery form or
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The materials which go to make up the concrete are in general Portland cement, clean sharp sand, well graded, and either gravel or broken stone. The choice of the gravel or broken stone will in many cases be a matter of considerable study as it is possible to obtain beautiful effects in the failshelt, concrete with carefully selected.

aggregates, or the floors and walks as for as their The design of the floors and walks as for as their strength is concerned is a matter of pure engineering and one which has become so largely standardized at the present thus that it need not be taken up herein.

present new furth term and makes the first being present new furth term and makes finds to be obtained. The activate may be insufied in any mar of several totales. The activate may be insufied in any mar of several forms, practically union-order coverage between the first political goal of makes part but for the corrections, practically union-order coverage between the first political goal of makes and the correction and the contraction of the correction of the contraction of the correction of the contraction of the cont

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The historic treatment, no above suspected, dependent of the historic treatment of the company of the comp

beg, or the commentation.

And the control of the c

upon wooden floors and this is readily obtainable. A maple or other kind of wooden wearing surface may be laid on wooden selepers habedfol in chiefe centerte which rists on the structural part of the floor. There are other ways of laying wooden floors such for instance as imbedding the floor surface beards directly in a wisture of tar and sand which is laid on the structural the structural and sand which is laid on the structural tar. ding the top surrace matrix merchy and sand sand which is hald on the structural concrete. A wooden floor hald on the structural concrete gives a very heavy and consequently a sound-proof thor which is in

neavy and contequently a summerpoor was miles as a every way satisfactory.

The cellings or the under side of the floors may be made flat if desired, or the branes, or ribs, or joints can be shown and either painted or plastered as the The installing of plumbing, besting, lighting and ventil-

are manuscript or punsions, treating, againg and centi-nting systems goes alread in a concrete house with little more difficulty, providing proper study is given to these questions, than in the more conventional type of construc-

Chimneys, stairways, closets can all be built of concrete with entire satisfaction.

The advantages of an all-concrete house have been pointed out so frequently in the current press, and so much has been heard of the success of concrete industrial massi ara seen meara or the survess of concrete innustrial hulldings that it will suffice to blut at rather than detail these advantages.

fness of a concrete building is its primary The fireproo The fireproofness of a concrete indiding is its primary advantage. To be sure the insurance question on the or-dinary schurisan or detacted country longe is almost neg-ligible or the remon that the rates quated are very low, even on the ordinary kind of fireproof structure. On the other hand the insurable value of a lossee and its contents other hand the insurable value of a losse and its contents really is of loss importance to the owner than the real frepressfurss of the house. It is impossible to recover by insurance the use of private papers, helrioms, works of ret, and more really irressures that are Irreplace, able. Furthermore, there is always the horrible profits-bility of loss of the lan a fire, and the knowledge that the home is absolutely unburnable should be worth an incal-calable sum of money to its owner. A concrete bouse is fireproof like a stove. A store is entirely fireproof, only its contents burning. In the event of a fire starting in any room in a concrete house, it can be confined to this room, and its damage limited.

Vermin are a source of transite to housewives—rate version are a source of transaction monocorrest-rints, more research, reaches and other unmentionable pests have to be constantly fought in the ordinary type of house. A concrete building offers no place for version to hide, and it has been found that they are practically eliminated.

Repair and painting charges are a constant burden to the owner of the conventional type of house. A concrete the owner of the conventional type of house. A concrete home has no maintenance charges and does not need to be painted, but is permanent, right and enduring. The resist-ance of concrete to thre depends upon its very low can ductivity, or its slow transmission of heat. For this reason a concrete house is very even temperatured; it is cool in summer, and warm in whater.

circle in numeric, and warn in winter.

A brone wider on hive a hose burned on it inside or out, it occutionly smiltery and executively ceiter. Macronilly described the shadowly of the shadowly owing to the adaptability of concrete to any forms of design.

A concrete house, for county work occurs to fit into the landscape better than almost any other type of stretching. Its color of the fitter of the stretching is the color of the fitter of the stretching in the color of the fitter of the stretching is the color of the fitter of the stretching in the color of the fitter of the stretching is the color of the fitter of the stretching is the color of the stretching is the stretching in the stretching is the brick or masoury bouse.

The state of the cost of a basic, lowever, the ounce cannot afford to be gainful energy by the initial cost or contract price. The utilisate rost of a house is what really interest in builder. If housever, the contract price is the state of the house is when the cost of the cost of

hance building.

of the orbits, promitties converted to the property of the orbits, promitties converted and hereichops, has updeed to the first of the desirable property of the property of

sign of a coverent mane of adopting mode are specified. The side of these mannifolds below noted for both a marferguard and contemplates the new of controvice discrete forms of the side of the side

The construction of these concrete wall houses is a natter of careful study and experimentation by small local builders, and by architects who are enthesiastic and local indiders, and by architects who are entassustic and interested in trying to do away as far as possible with the terrifle fire loss in this country. Mr. Edison's much talken-of-cust iron forms for the workman's home have apt, as yet been found predicible. There has never bren an Edison bosses built, and in the opinion of must practical concrete men, one never will be built. The prob-lems of building concrete as proposed by Mr. Edison seem insuranountable. The initial cost of preparing such a set of forms as proposed by Mr. Edison entails all told, including contractor's plant, materials and all other items, including conteactor's plant, materials and all other items, entering into the financial outlay, about non-handred and specialty of the financial outlay, about non-handred and specialty of the financial outlay, which you the prize at the Tuberculosis Congress at year or an ago, has been successfully half in several instances at costs which are very low. It is essentially a instances at costs which are very low. very small house of the simplest interior and exterior ment and offers an interesting field for further study. The low custs which have been obtained in the Morrill houses thus far built have been due to very low prices for materials which have been obtained locally and under for materials which alve axen populate normy and under especially favorable conditions. The special feature in the Morrill system seems to be a series of sheet from forms or moulds which are made interchangeable. The advanthge of these usualds is not apparent to must concrete builders. It has been found that similar work can be builders. It has been found that similar work can be define as economically, and probabily more as, by using ordinary wood forms made of pairs so that they are skilly hundled by workmen. At Portest Hills, Long Island, the Step Boundation Homes Company is delay some experimenting with converte unclaimed we ottages on a large scale and It is looped that with the large resources. de, a simple concrete house can be worked out available, a simple concrete noise can be worked out which will be all concrete and well within the reach of the small moneyed man. At present this is not the cuse ex-cept for houses with walls only of concrete. G. V. COLLINS.

SOLIDITOR AND NOTABY PUBLIC MMISSIONER FOR AFFIDAVITS

Soury Aperealis.

Ir. Thomas A. Edison any

West Orange

Dear Sir.

I thank you for your pamphlet on your I must ask you to pardon my persistence, but, in view of the great a and rapid development of these States and the demand for all classes of houses, the influx of immegrants, building of railways, and settlement on the lands of the States ,I have disscussed with somefriends the practicability of forming a strong Company to utilise your system of house-building in Australasia (that is in this Commons wealth and #727 H. Z. for the erection of Hotels, Shops, Workmen's houses and Country and Suburban Residences.

Our forests are becoming stripped of all useful building timber, consequently all such materials are costly and we feel that your re-inforced concrete buildings will be erected cheaper and quicker than by any system now in wogue here.

My colleagues are moneyed men and any reasonable royalty can be arranged for the right of exclusive use of your system here, or. if preferred your patent rights for Australasia purchased,

Ithink this about expresses the present state of the matter as far as we are concerned, and if satisfied as to the perfection of your system, we should feel obliged to you if you would be so good as to send me such Plans and Specifications of Hotels, country and

G. V. COLLINS,

SOLICITOR
AND NOTARY PUBLIC
COMMISSIONER FOR AFFIDAVIYS

FOR NEW SOUTH WALES & Mr. Edison

2 4/3/11

Stroud.

suburban houses, oottages and shops as you are kind enough to spare me, together with full particulars as to manufacture of mould concrete, and other material required, and the approximate weight. Of formula together with such other information as you may deem nec-

If on hearing you are disposed to entertain my suggestions, and you can afford me a sight of your plans and specifications so that we may know better where we stand, it is probable one of my friends will come across and confer with you and finally settle matter a tan early date,

Awaiting your reply

Yours faithfully

elly dear ell En may possible remember that we who ation bone marthe ago, in pegard to you coment houses, and that A thought they might be adapted to this country, if sho delled to suit the elimate I understood was to can at the timo, you were not quite ready to into duck them The Centrat Chapano is Came factors in the world its land sean heirie & 32 loto bago of It has within its own lands, so 10,000 hersly, between employees tena The Fan ellannet Sugar undo the Same admirks to now breaking ground for ano die Cutal fallity of equal capacity, for which the dane will be rea

THE CHAPARRA SUGAR COMPANY

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WESTERN UNION CODE

EW YORK OFFICE 128 FRONT STREET AVANA OFFICE AAN IGNACIO SE

CHAPARRA, CUBA.

There will be many hilling agained for neclamical for mechanical for tenants

ikan familie If you will kindly send me some details for his governments will submit

then to General ellavio Lellenscal, the General ellanasur who is an ac

the Venual ellinage, who is unfleto Completed engineer and has completo

charge of the work of both Centrals chutic pating my chanks Cremain, with regards, Your very truly

men regunes, jenio

Olean address Cane Cilcan Am Vigarlo

Marana

· comens stais.

RACY & CARTER - MAUDE M.

THEIR OWN COPYRIGHTED

Your favor of the 6th inst. at hand with corlet regards Dear yr Edisosl

the new concrete houses. We have in our city one of the best concrete men in this part of the country who is .ery much interested in your invention.

Such houses as yours would 'e of great benefit to our seople as we have a large number of nice records in our county who are only in moderate circumstances who would like to own their o'n home 'ut cannot afford to pay the '12 prices as 'ed for the modern houses.

The "lan of myself and associates is to nut u, a number out our concrete houses and then let the people have then on time

We have quite a number of well to do farmers in a socialistic arty she are interested in this matter and who are willing to put un noney with us for this purpose. Kindly ad ise us as soon as possible regards the natter in

question.

1205 P Street

Yours truly, Fnd H. Tracy

We had the pleasure of playing in Fort Meyers Fla. last winter .My cousin

has her winter home there on the same side of the ri er as yours. Fut

TONIGHT TONIGHT



TRACY

CAPTURED BY

(MAUD)

CARTER

(No kin to Nick Carter)

\$1,000.00 Reward

if these people are not the R GHT ones to entertain you.

See Them Barcroft Opera

House

TONIGHT

and every night this week

This is the Highest salaried act we have played

Complete change of Program
Every Night Propular Prices 10 and 20 cents HAWKINS BROS. Proprietors

LOUIS L. PLAYFORD,

LATIN.

. Exploration Buildings. Ichannerburg. Todoswal.

24th April, 1911

Thomas A. Edison, Esq.,

West Orange.

New Jersey,

U.S.A.

Dear Sir.

A COMPANY OF THE COMP

I have been reading an account of an interview with you in the Xmas Mansey in which you stated that you were working on a plan by which you hoped to cast a house out of essent as a foundry oasts a car-wheel out of iron. I hardly imagine that it is necessary to apologies to you for writing you direct on the subject of your invention, since in that way only can I obtain reliable information. If you have completed the invention as suggested I would like to point out that South Africa and particularly the Transvaal is more in need of a cheap though substantial building than most places. The Witwatersrand Gold Fields today easily occupy first place in the World's Gold production, and you can well imagine extending as they do for some 40 miles in length embracing several important tewnships of which Johannesburg is the head, what a large population has to be catered for. In all South African towns building is extraordinarily expensive, skilled

-labour-

P. O. Box 1453

LOUIS L. PLAYFORD, SOLICITOR.

TELEGRAPHIC ADDRESS:
LATIN.
Code: A.B. C. 5th Ed?

Exploration Buildings Iohannesburg. Transsouot.

-2-

labour is very dear, and carpenters, masons and such like can not be had under £1 per diem, added to which nearly all material except bare bricks has to be imported. We cannot even make here roofing tiles or shingles, and from one end of South Africa to the other Galvanised Iron Sheets are used for roofing. An ordinary 5 roomed house of the bungalow type costs £1000, and would probably realise £12 per month rent. The Johannesburg Municipality now extends to a radius of 6 miles from the Market Square and in this area are some 50 separate Townships, many of them innocent of any buildings whatever. With very few exceptions all such Townships are laid out in Stands of building plots of 50 x 100 ft. each. Here, as in other parts of the world Building Societies flourish exceedingly and most of the houses occupied by the middle classes have got mortgages upon them. From one end of the Main Reef to the other there are wast heaps of tailings, i.e. residues from the Stamp Batteries and cyanide plants, which consist of very finely ground quartz etc., and these thousands upon thousands of tons of useless material would probably form an excellent admixture for cement.

To overcome the enormous demand for houses various attempts have been made to impart wooden and even cardboard houses, but

P. O. Box 1453.

LOUIS L. PLAYFORD,
SOLICITOR.

TELEGRAPHIC ADDRESS:
"LATIN."
Code: A.B. C. 5th Edd

Explaration Buildings Iohannes burg. Transvad.

-3-

these have generally proved unsatisfactory. Lime is plentiful, and recently a cement Factory has been established at Pretoria, 25 miles away by rail, which promises well, so that probably little would have to be imparted in this respect. It would occupy well nigh a 3 volume Novel to give you an idea of the state of affairs as regarded building in this country, but put briefly the housing question looms very large on these Gold Fields

It occurs to me that you may not have thought of this country as of sufficient importance to patent your invention, but
whether this is so or not I am most anxious to secure the right
for South Africa, or at all events the Transvaal, and should be
more then obliged if you would open negotiations with me on the
subject. I shall be quite able to assure you of my likelihood
of being able to undertake such business whether you chose to
establish an Agency here or to sell your rights out and out, in
which latter case I should have to form a Joint Stock Company
to satisfy your requirements. I may say that I am a well known
citizen of this town, and for some years occupied the position of
Chief Magistrate for these Gold Fields. I am now practising as

P.O. Box 1453.

LOUIS L. PLAYFORD,
SOLICITOR.

TELEGRAPHIC ADDRESS:
LATIN.
Code: A.B.C. 50 Md9

Exploration Buildings Johannes burg. Transwal

-4-

an Attorney. It would probably be presumption on my part to give you a history here of the Transvaal as a Gold producer, but when I point out that the Transvaal Gold Mining Companies have up to date returned £75,155,240 in dividends to share-holders you can judge of the importance of the place for an invention such as yours. There is a constantly increasing demand for reinforced concrete on the Mines themselves which will so doubt in the near future assume enormous proportions, and when one considers the unlimited coal supply right on the spot you can understand my anxiety to get into touch with you on this question. No trouble would be too great as far as I am concerned to give you every possible data you might require, but in the mean time I am most anxious that another mail should not go out without addressing you on the subject, however cursory this letter may be.

Yours faithfully,

Louis May for [

FLAVE ST B., Larrie Links, Van St. B., Larrie Links, Van St. Barrie Links, Van St. B., Larrie Links, Van St. B., Larrie Links, Van St. B., Larrie Links, Van Links, V









CHICAGO OFFICE 42 RIVER STREET

Dictated by

AAS AA7 AAD 8 ASI WEST THIRTIFTH STRE

STREET New Yo

April 29, 1911.

Breef a forth 6 the come with the content of the co

Dear Sir: for four fact unfamiliary
to a very large plant in the city of Eliza-

beth for the manufacture of our products.

We have been informed that you have recently
perfected some sort of a coment construction

which you can recommend for this line of work.

It is our intention to erect several various buildings, all of which will carry a live load of ever 200 bts. per square foot, and we will be pleased to receive some further information from you in reference to this construction, either by appointment, or letter. The midner you for siving this your attention, we beg to

remain

RUNKET MOTERS. Inc

AMERICAN BUILDING CORPORATION

Mr. H. A. Miller, Edison Laboratory, Orange, N. J. Dear Mr. Miller:

I don't know why they sell me the onclosed fatterfor present a mentanged book), but refuse mentanged book), but refuse mentanged book). now in the business somewhat (as per enclosed book), but refuse anything that fells into my dish under false colors.

If I have your permission, I will act upon the inquiry in befitting manner. Yours tespectfully,

RECHITECTS AND CONSTRUCTING ENGINES 12 EAST 45TH ST. NEW YORK

Aus 6/3/11

Thos. A. Edison Esq., Edison Laboratory, South Orange, N. J.

Dear Sir:-

Inquiries continue to come to us concerning the

Edison Cement House. The last is from the B. O. Bowers Commission Merchants in New York, who ask whether the house is yet on the market and on what terms they could procure the exclusive agency for Greece. Any further information that you can give us, will be of great assistance in answering the many applications.

Yours very truly,

McH/LM

AMERICAN BUILDING CORPORATION

299 RPOADWAY

NEW YORK, U. S. A., June 15th,

Tel Canone 2476 Works

De dens Dr. Miller.

I enclose letter from Mr. Ellingwood, He set Mr. Edison when he one Supervising Architect on the Penn, R.R. Station in New York City (he was then connected with McKim, Meade & White-H.Y.).

I think that he. Edison will give him the answer. I rather you would not show the letter to Mr. Edison as perhaps it soughts a little "Fresh" at the outstart, but Ellingwood is sincere and only meens that Er. Edison is the greatest friend the whole world has ever seen.

Enclosure.

ground Coment with sand a mach Taggingates 1/2 mak with planty sicce flow so feet o turn

AMERICAN BUILDING CORPORATION

F. D. LAMBIE, PARK, 4 GEN. HOR.

NCORPORATED NEW YORK AND NEW JERSE

No. 137 LONG AGRE.

CABLE ADDRESS
"JELAMCO"
NEW YORK AND LONGON

299 BROADWAY

NEW YORK U. S. A., June 25d. 1911.

H. A. Miller, Esq., Orenge, N.J.

Dear Mr. Miller:

I wish to thank Mr. Edison for the information in behalf of

my friend Ellingwood, and have sent same on to him at Montreal, Ganada.

Yours respectfully,



ALBANESE

62, Rue Saint-Lazare, PARIS

TRAVAUX SPÉCIAUX EN BÉTON ARMÉ

TELEPHONE : 161-35

TELEORAMMES :
ALBANESE - PARIS

Cooss : A. B. C., 5" Épition - LIEBERS

OBJET:

Concrete-Houses.

G. S. ALBANESE, INGENIEUR

Paris, to Sul Junest-1911.

H.F.Miller Esq. Secretary to Mr.F.A.Milson,

CHARGE T.J.

Dear Sir.

With further reference to my correspondence of last year in reto the Comprete Remoss designed by Mr.Misem, I now take the liberty to ack you whether it is true that Mr.Misem has already given over his rights for Murapo to a symilante called M.O.O.mah handed by Mourre-Rame & Small.

I hear that these two gentleses have already erected some house (after the Mises system) in Molland and that they have fulthermore taken patents in their our name.

You would greatly oblige me if you would please let me know whether what preceds is correct. As I wrete you long ago, I am partioularly interested in concrete construction, and I would use my best offorts to handle these patents in Murope (or rather in the Latin countries) should the matter be still spen.

I dare hape you will cornes so for the trouble I am giving you and I would be extremely pleased if I could reciprosate in some other may, although large has few interesting things to offer to U.S. With kind remote to Mr.Mitten and to yourself, I beg

to resile.

nº52/

August 21, 1911.

Mr. G. S. Albanese,

62 Rue Saint-Lazare,

"aris, France.

Dear Sir:

Your favor of the 3rd inst. to Mr. Harry F. Hiller has been referred to me, and in reply I beg to advise you that Mr. Edison has given no rights whatever to any syndicate in Europe in connection with his concrete houses.

I am advised that Mooses. Harms and Small wore employed by Mr. Edison some time ago but were discharged by Mm.

If you can advise me what patents these two men have taken out I will be much obliged, as possibly they may have secured patents on inventions made by Mr. Edison and developed in his Laboratory.

Yours very truly,

FID/IW

General Counsel.

G S ALBANESE, INGENIEUR

MEMBRE A. I. E. E.
EDITON'S PRIVATE LABORATORY 1990-1991
GENERAL ELECTRIC CONTANT, NEW-YORK 1991-1994

TÉLÉPHONE Nº 161-35

ADRESS TÉLÉORÀPISON I ALBANTES-PARS

COOM :

A. B. C. See Serron - Lieucon

ORIET

re-CONCRETE HOUSES.

grant

Paris, le September 6th, 1911.

62 BUR SAINT-LAZARE (PLACE DE LA TRINITE)

Mr.Frank L.Dyer, Confidential Edison Leggl Department, Orange N.J. U.S.A.

RECEIVED
SEP 18 1911

SEP 18 1911

ANSWERED
FOREIGN DEPT.

Dear Sir.

I am in receipt of your favour dated Aug.2I, and in answer thereto I have pleasure to enclose herewith a few documents concerning what I may call the darms-Smell bluff to defraud M.Ednoon of his legitimate work.

You will note that the French Patents of which I am sending you official copies are taken in June-July 1910 and their respective numbers are 417.652 & 417.834

You will also please find two paper olippings; The farst has appeared in the "LATHIBORS of the most popular Parisian Salies. The second one is from the Common a trade paper of rather limited importance. In both articles, M. Edison is quoted, notwithstanding that the concrete house built in Sandpoort is supposed to be built after M. Harn's design, patents end ideas:

the private banker who is supposed to have surers the Barmest Small European patents and the whole contained uneful mercoration before I wester to Market one time description before I wester to Market one time state of the Circular letter is:

Houlded Housen (Edison System) ???????

I have asked K.Reforbelet thy do MM. Harms and Small mention M.Edison at all; if they retend to exploit a system invented mention to the complete the system invented the complete of the complete the system in the complete the

I am glad to be able to convey to you such information which will perhaps smable you to take ratical steps to stop what appears to be to be arread some lam also most gratified to appears to be of some unit life in the early nineties). The same the firm may succeed in clearing up the ratic product that you think the product of the prod

COSMOS

S 4007 4014

pierre préciouse. - Un remarquable de bérri vient d'être découvert par un 5 in ture done one veine de negmatite dans Ant de Mines Gernes, au Br/sil: on estime que S'est la plus grosse nierre qui ait inmais été tranvée

(le béryl, on le sait, c'est l'émeraude ou l'aguamarine, suivant sa coloration). La forme cristalline de cette gemme est celle

habitualle un prieme heraconal terminé nar des . bases plates File mesure 48 5 cm de lengueur ct de 40 à 49 em de diamètre : elle nèse 110.5 kg. Le cristal est si pur et si transparent qu'il est translucide dans le sens de la longueur et qu'un rayon visuel le traverse d'une base à l'autre L'houreux mineur a recu 125 000 francs de sa trouvaille

CONSTRUCTIONS MODERES

Le Cosmos a signalé naguère les constructions moulées imaginées par M. Edison, mais, nour des causes diverses, elles n'ont pas complètement réussi en leur pays d'origine. On attribue cet insuccès à ce que l'ingénieur de M. Edison, M. Harm, qui a concu la formule de mortier liquide nécessaire, mais qui en garde le secret, a quitté M. Edison; ce qui est certain, c'est que jusqu'à présent ce dernier n'a nu compléter une maison entière coulée dans un moule. Les mortiers qu'il emploie sont trop compacts, et on doit monter la construction étage

LE COULAGE DU CIMENT.

par étage; il en résulte qu'on ne peut édifler par ce avalème que des édifices peu éleves.

Contrairement à ce qui se passe trop souvent nour les inventions qui, conçues dans le vieux monde, ne trouvent leur application que dans le nouveau, les mnisons moulées n'ayant pas réussi en Amérique obtiennent un succès inattendu de ce côté de l'océan; voici que l'on vient de construire à Sandpoort, en Hollande, et d'un seul jet, une maison moulée. Il faut dire que M. Harm y a apporté son expérience, son secret et sa collaboration.

Le plan de ce petit immeuble est du è un architecte hollandais, M. Berlage. Les moules constitués

par de nombreuses pièces sont du système imaginé par M. Harm, et, ce qui est plus essentiel encore, la composition du mortier employé due à ses truvaux. Si M. Harm a imaginé les moules et le mortier nécessuire, que reste-t-il nour la gloire de M. Edison?



Fig. 2. - Maison moulig as course t ENLEVEMENT DES MOULES.

tient au-dessus du bâtiment l'appareil distributeur du mortier, appareil formé de plusieurs entonnoirs. A Sandpoort, les trous de coulée étant au nombre de quatre, le remplissage s'est fait en six à neuf heures; aurès deux jours, on a pu procéder au démoulage.

On a naturellement beaucoup discuté le « pour » et le « contre » de cette nouvelle méthode de conetesies

N: 1384

COSMOS

147

Beaucoup sont d'avis que l'aspect d'une ville formée de maisons faites « au moule » serait peu esthétique et fort monotone.

Mais, a dit M. Berlage dans une conférence, on peut fort bien établir des moules de différents modèles, les entremèler, ce qui éviterait la mono-

tonic; on peut également donner différentes nuances aux mortiers liquides et aux ornementations. On pourrait encore faire des groupes de petites maisons dans un style, et à côté un autre groupé

dans un style différent.
D'ailleurs, les moules ne dureront pas éternelle-



Fig. 3. — Maison moulés en ciment qu'on achève de bémoules.

ment, et quand ils seront uses on en feru d'autres, d'aspect différent. De nosjours, l'architecte doit*chercher* à construire

Denosjours, l'architecte doit c'hercher h construire des façades variées, s'il ne reut tomber aussi dans le royaume de la monotonie; les maisons jetées au moule exigeront de nouvelles études, voilà tont. Le grand avantage de ces nouvelles maisons, c'est qu'elles sont, par leur construction même, assurées contre l'incendie, qu'elles sont hygiéniques, solides, bon marché, et qu'on peut les construire en quelques semaines.

M. DE LA CHAPELAE.

LA DESINFECTION DU SOL EN HORTICULTURE

Les découveries élaborées dans les laboratoires de habérbolique au sont passachement applicables, comme on le croit souvent, au traitement préventif comme de la crait des maindaires contagineurs, les microles sont téclement répondes l'apportier et dans cette de la comme de la contraction de la comme de mainte métidos de la comme de la comme de mainte métidos de la comme de la comme de mainte métidos de la comme de la comme de mainte métidos de la comme de la comme de mainte métidos de la comme de la comme de mainte métidos de la comme de la comme de mainte métidos des la comme de la comme de mainte métidos de la comme de la comme de mainte métidos de la comme del la comme de la comme de la comme de la com

est dans l'appareillage: les récipients de în distillerie sont plus perfectionnés et de bien plus grandes dimensions que les matras de l'illustre savant.

Due de ces applications pratiques des méthodes bactériologiques, très intéressante quoique peu connue, et la «sétilisation due 3». On arti qu'un milieu de colture, cest-à-dire une autotune l'épuis de consoliée contant les éléments nécessires à la mutrition de certains microbes, est dit « stérilise » quand il ne contient nucus gener virant. Dans toutes les expériences de bactériologie, la stérilisation joue un grand rolle con ne peut analyzer.

MOUTLDED CONSTRUCTIONS

The Compos Intelly navised of moulded buildings, devised by Mr. Maison, but for various reasons, they have not turned out a complete success in the country of their origin. This lack of success in attributed to the fact that the engineer of Mr. Maison, Mr Harm, who invented the necessary formula for the liquid mortar but who has kept the servet, has left Ur. Maison, What is certain is, that up to the present, this latter has not been able to complete an entire house, moulded in a mould. The mortars that he uses are toe colid and the construction must be set up, story by story; for which reason only edifices of small elevation can be made by this system.

It goes on to state that those house have obtained great success in "urope and
that a mould house has just been constructed at Sangpoort, Halland, with one pouring.
The plan of the house is one of an architect of Holland, Mr Berplage. The moulds are
of the system devised by Mr. Harm, also the mortan therefor. Four holes were used for
moulding. Filling is finished in six to mine hours. After two days the remaval of the
moulds was possible. Some object that houses would be very uniform but Mr Berlage
claims that moulde of many different forms can be made

Rough translation.



nt con-

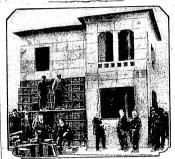
ouver-que la fron-t sui-région, de Fez à sa e, une

e, une roupes annies, otte eral se les at de-

er la-

Landi S Juin 1911 DENCES A L'ETRANGEA Jules MADELINE, Président

ÉDISON FABRIQUE DES MAISONS au moyen d'un moule



La maison est terminée, on enlève le moule

La maione ex termines, on calve le moule report. Le collèbre inventeure métricule constituent par la des arreport. Le collèbre inventeure métricule constituent par la collèbre inventeure métricule constituent par la collèbre de la collèbre del la collèbre de la collèbre del la collèbre de l

I A DÉLIMITATION IA CHAMPAGNE

Après l'avis du Conseil d'Etat

Le Conseil d'Etat a transmis hier dimanche dans la matinée au ministre de l'agraculture le projet de décret rendu sameda contine le projet de délimitation de la Marne et de l'Aube.

Le dispositif de ce décret est conforme nov indications que le Matin a été en mesure de nublier dans son dernier numéro. Le gouvernement examinera le projet dans le conseil de cabinet qui sera tenu mercredi, à neuf heures du matin, au ministère de l'intérieur, sous la présidence de M Monie

Après le conseil de cabinet se tiendra. à l'Elysée, un conseil des ministres, que présidera M. Fallières.

Ajoutons que M. Monis, président du conseil, a reçu hier, à la fin de l'après-midi, M. Pams, ministre de l'agriculture, avec qui il s'est entretenu de la question de la délimita-

L'AUBE EST MÉCONTENTE

Baccus-Auss, 4 juin. — De teneogé spé-ciel de a Métin » (jui - liépénoch) — In Ap-ciel de a Métin » (jui - liépénoch) — In Ap-perior de la company de la company de la proposition de la company de

M. Delca

THE ARTICLE IN THE MATIN

states, in a few lines much of what was stated in the Cosmos.

```
15.Boulevard Malesherbes PARIS

Aprile This property of the control of the contro
   ne suit seamencée, les demandes de constructione de grand
    contra de villas, and pervender, de la tach a aven-
LYONU H. Rie des Republique , common to contentage of the mothe doing
                                                                                                                                                      19
                                                                               somethic ac proprietains.
DUNKERQUE , 36, Rue de l'Eglise
LILLE, 45, Rue de Puébla
LIMOGES 28 Bout Louis Alone not need above it is a bestier of
AGEN. 61,8Buteyard Garnes of a to some despite that and after all
gree than to principe, le réductor d'éthalanabaterrep, xuagnou
        30, Rue Vital Ceries
                                           more electrical and the medical confidence
     La Baison Cinancière
  you de fi Tsk. ....
   - maisons coulings (Système EDISON)
                                                                               i van susiale des escil
               Les asperteurs den est pour le resont buights
         Ainsi que vous pouves en juger, parvidarticle du
    "Matin" du 5 juin, le problème de la Maison, économique est
                              resolu grace all'invention Edisones Heats II's
                                        Le modèle qui figure sur le "Matin" n'est pas un type
                              uniforme, car avec ce système, l'on peut faire n'importe
                              quel genre de bâtiments et de n'importe quelle forme, tels
                              que villas, maisons de rapport, usines, locaux industriels etc
      L'économie est tres importante. En effet d'après le
               ang to travait ci joint. fait par un architecte parisien pour un
             cola mogrado de 10 maisons faites avec le système faiten, nous
                               arrivons à un prix de 10.900 francs, t andis que pour le
             es sero meme groupe representant la meme surface bâtie, nous attei-
                                                                                                                      rrincire.
                                gnons le chiffre de 40.144 francs.
                                           Il est à remarquer que pour les constructions actuelles.
```

l'architecte a pris ses prix minima, tandis qu'au contraire

pour les constructions par noulege, il a pris ainsi qu'on pour le suit d'entre des prix maximums, safin d'ores et déjà, avant même que l'exploitation

ne soit commencés; les demandes de constructions de grand nombre de villas, neus sont parvennes, de la part d'administrations très imposantes et commes, ainsi que de bon nombre de propriétaires.

Le procédé est breveté dans tous les pays du monde.
Cette note est très succincte et n'expose que la
question de principe, le rédacteur n'étant mullement
technicies. Si l'affaire intéresse, l'on se tient à la
disposition des futurs contractants pour aller sur place
c'estandire en follande mattre en populat, touées les questions nécessires pour les éclairer.

Les apporteurs demandent pour le Brevet français

2500000 france depoces et 25 % dans les tonefices. Cette

12 1001000participation devra être natural moyén d'actions d'apport

g'il s'act d'diné société anchema source ulocar

In addition in the surface that in the tree in the tree in the tree of an area of regarders. It is post third believe to quel come to betieve to of the rite orth professions, the que villas, mairons of rapport, weight to be a suffered to the contract of the contract of

R.B. - H'event pour le moment qu'une série de photographies de la maison en coura de constructions al me miest pas sur les les pour les mois que les pour les les procuper d'autres con l'account de l'Amore de les pour les les

ll ost à remarquer que pour les constructions actuelles, l'architecte a pris ses prix minima, tandis qu'au contrai e

BAYOUR A REFOURELED

15 Boulevard Malesherbes Paris

Moulded Houses, (Edison System)

An you may judge by the article in the "Matin" of the 5th of June, the problem of the economic house has been solved, thanks to the invention of Mr. Edicon.

. The model figuring in the "Matin" is not a uniform type, for with this eystem, one may construct any kind of a building of any kind of form, such as villes, connected houses, workshops, industrial plants, etc.

Their economy is very important. Indeed, according to the attached work, do done by a Parisian architect for a group of ten houses, made per Mitson system, we obtain a price of 10900 frames, while for the same group, representing the same surface of construction, we reach the figure of 40144 frames. It is to be remarked that for the present constructions, the architect has taken his minimus prices, while on the contrary, for constructions by moulding, he has taken the maximum prices, as one any judge by the worksmanthp. Already, before their exploitation has commenced, requests for the construction of a large number of villas have come to hand, from very important bearts as also fram a good number of courses.

The process is patented in all the countries of the world.

This advice is very quesinet and only sets forth the question in its principle as the writer is in no way a technician. If the matter is of interest, it is open to future contractors to go directly to the place, that is, to Holland, to obtain a solution of the necessary question.

The collers ask for the french patent 250 000 france, each and 20% of the profits. This participation share chould be furnished in capital stock, if there is a question of a joint stock company.

P.S. Only having, at the present, e^Mseries of photographs of the house in course of construction, it is impossible to surrender it. I am doing what is necessary to presure others.

Again let me state, a reply in principle is all that is in question.

FRANCIS M. SUTTON & CO.

au 10/18/11

EXPORTERS

17 BATTERY PLACE New YORK, Oct. 16th.1911.

have sur existically cost my Thos. A.Edison, Esq., Orange, New Jersey Keril

Dear Siri

me wrote you on July 12th regarding Concrete Houses and duly received your reply stating that the Molds for making these we will say that one of our clients in were not yet finished. Africa seems specially interested in concrete construction and the circular which you sent us was duly forwarded to him. He now writes circular which you sent us was duly lorwarded to him. He how wr. us stating that he has some 580 lots of land hear Johannesburg on which he is desirous of erecting small cottages for workens. These two cottages on each lot known as "semi-destanded". He has a He has asked us to secure quotations for the supply of 6 sets of Molds based on the They call attention to the fact that three enclosed ground plan. They call attention to the fact that three rooms will be of the same size, viz. 10 x 10, clear, inside measurement. The only fireplace will be in the kitchen, one chimney to There must be spaces for four doors and three serve two houses. mindows in each house, the windows being one-tenth of the size of the floor space and spaces for air bricks at the floor level and also at the top of the walls must be provided in order to secure proper ventilation for each room.

These details regarding size of window tilation for each room. These details, regarding size of windows and air bricks are required by the Municipal law. The walls are to No specification is made regarding the roof and be 9 feet high. No specification is made regarding the root and such design as you might submit will probably be acceptable. In the pubphlet sent to Africa our client calls attention to the fact that on page 10 it is stated that you will furnish plans and give full license to reputable builders and our client desires us. for the forward a claim for such a license. From the above you will note forward a claim for such a license. From the above you will note be 9 feet high. that he is a considerable land owner who is desirous of furnishing decent houses for the Cape colored people who as a class at present live in single rooms in the most undesirable part of one of the suburbs of Johannesburg.

We shall be glad to hear from you at your early convenience on this subject and will then submit your remarks to our we shall esteem it a favor if you will return client abroad. the ground plan when you have finished with same.

Yours truly.

FRANCIS M. SUTTON & CO.

Treasurer

Ambrican Concrese-Samel Co.

ENGINEERS & CONTRACTORS,

REINFORCED CONCRETE CONSTRUCTION

AS PERMANENT AS THE PYRAMIDS" MA

ESSEX BUILDING,

essex building, joi

NEWARK, N. J., Tov. 17th, 1911.

W. Orange, H. J.

Tou will perhaps recall the writer who was one of your guests on an inspection trip to your commat plant a few years ago. It may help you to place me in your memory by recalling the fact, that we discussed, at quite some length, the building of reinforced concrete buildings. At that time, we were only just taking up the school house problem. Since then, we have completed six school buildings, have three under contract and some very good prospects of closing at least a dozen more during the coming measure. All of these buildings will be built completely of reinforced concrete, isoluting the exterior walls,

We note that there is to be a pew school building in your City of Vest Orange. Mr. H. King Conklin, a very competent Architect of this City, who designed the Vanhington School at Hutley, which was built with Edison General, is at present endeavoring to get a commission from the West Orange Board for the preparation of the plans of this building. Beside the school at Mutley, Mr. Conklin also designed the Central Ave. School in Madison, Public School \$8 in Kearny, and the Gymnesium Building at Pennington; all of which, are reinforced concrete buildings, and on the two later, we are just starting work.

Mr. donklin has turned down commissions where he has been asked to design non-fireproof school buildings. He thoroughly T. A. B.-2-

bolieves in the fireproof school, built of reinforced concrete, and anything that you can do to assist Er. Conklin in receiving the commission to prepare the plans for the new School to replace the old St. Marks Building, will be very much appreciated by Mr. Conklin.

Very respectfully yours.

AMERICAN CONCRETE-STEEL CO.,

Pres.

JTS/PW

ATTACHMENT/ENCLOSURE

Day that I will be pleased to help wor Conklin, just any what is wouled.

BudapestiÁltalános Villamossági Nészvénytársaság:

Sürgönyezim: EOYENÁRAM TELEFON 3-52 3-53 3-54. (min/8

Budanest.

Mr. Thomas A. Edison. Ediama Laboratory

... Laboratory, Orange, New Jersey, U. S. Ar. You will no doubt remember that during your

My dear Mr. Edison:-

visit here, we discussed the scheme regarding your method of building

concrete houses for labourers, or those that want to secure a home at a minimum cost.

I beg to inform you that I am now in a position to execute your ideas upon the subject in a practical way in my native town of Pozgony, where a wealthy and philanthropic inclined lady of my acquaintance wants to build a group of dwellings according to your

avatem. Therefore I should like to inquire of you

how far you are advanced in this matter, and if it is possible to obtain definite information from you concerning the same, so that I can take the matter up and push it.

Perhaps you are awared that in England and Holland they are already building such small houses on exiron-concrete principal, and thus it seems opportune now to get started on your projects. I remain,

Yours very truly

BUDAPESTI ALTALAHOS VILLAGOSSĀGI R. T.

Tienne de Todo

DEVELOPERS OF LONG ISLAND ESTATES

RICHARD W. LONG.

Agland Spanhare Company

18 BROADWAY AND 5 BEAVER STREET

NEW YORK, Dagamban, 14th, 1912

Thomas A. Edison Esq. .

Orange N.J. Dear Sir:-

Writer read with more than interest the enclosed report in last Saturadays New York Times. for the reason he has been seeking some plan for the erection of cheap, vet lasting summer bungalows.

You are doubtless aware of the immense pronortions to which the "Portable" and "Knockdown" house industry has jumped within a couple years. There is no limit to the field or demand.

The faults with the Portable house are manifold: They are dear, never satisfactory, nor pernament, in a word, are but lumber tents. The Knockdown houses are little better them the Portable house, they are cheaper in the first instance, but as they necessitate the employment of skill labor to erect, their cost ultimately exceeds that of the Portable house. In both cases one seasons wear sees them shrunk and in need of general overhauling.

The thought in my mind is. To use cement instead of lumbor for stude, using sheet steel lathing- covered with cement -for the walls and roof, and running the floors in also in coment. Hanging all windows on hinges instead of in frames to reduce cost.

If cheapness and permanency could be effected in putting up the above class of homes, as compared to similar houses in humber, and a large portion of the work done by unskilled labor, am attofied same rould outclass the "Portable" and "Knockdown" houses.

Am associated with the above Company in a summer home development at East Quoque, Long Isdand, and have a number of clients needing bungalows and garages. This fact has made me give the study of this subject considerable time, consequently am satisfied as to the unlimited field provided the conditions referred to can be met.

I enclose a design of a portable house. This house cost \$800.00, it is single sheeted on the outside not lined, has no ceiling, and paritions only reach to height of walls.

Aus 12/19

_ _ _

Long Island Seashore Company

18 BROADWAY AND 5 BEAVER STREET

NEW YORK.

:-2:-

Should like to come and discuss this immense problem with you, looking to mutual interest, if you think same can be solved on the lines I suggest.

Thanking you in anticipation for your kind consideration of subject, and hoping to hear from you, I am

very truly yours,

ARCHITECT TITUS DE BOBULA







MONOLITHIC CONCRETE DWELLINGS.

Consisting of 9 rooms and Bath. Front and Back porches. Running hot and cold water. Cabinet mantels. Cost complete \$1586.00 which can be reduced considerably by using standard forms.

The building operations on these houses were begun Nov. 1905. and they have stood the test of occupancy to a most satisfactory degree.

All walls and partitions reinforced concrete. All floors combrete with white pine upperfloor in living rooms.

Roof concrete with asphalt waterproofing.

All outside walls waterproofed with special colorless compound. All inside walls painted.

Kitchens and Bathrooms white Enamel.

Open plumbing. Architect DE BOBULA,

Pittsburgh, Pa.

Edison General File Series

This folder contains correspondence and other documents concerning Edison's charitable contributions, financial assistance, and donations of equipment. The selected items for 1911 pertain to the Young Men's Christian Association and other organizations in Edison's hometown of Port Huron, Michigan; St. Paul's A.M.E. Church in Orange, New Jersey; and the Society of St. Johnland in New York City. One request for phonographs and records bears a notation by Edison that "if I should comply with all the requests made as she makes, it would break the Bank of England."

Less than 1 percent of the documents have been selected. The unselected letters consist primarily of requests for money. Many bear Edison's notation. "no ans."

30 party ex, au 1/13/11 That a Edison nog. my draw M. I. " moto asking your to Kindly dos of your throughphs & some Runds & Aplaine my many circumstances ohough oh long illiness ag death of my husband DE Rickfind Buy she placeer love of your world morned old agh for I was 68 ohn 19 = of last much, Not sliving oriend any raply, I balanary lather mini prached you. I cannot think a guillunary your neverment match by afternaming principles of "Doingut orhais at you would that sky do muto you" loved refus an otal dudy, a jost which would gink how so much consolution, by jay, I when the privilege to much a list of the Records I muce persper, with The found kopen what you will not perfect melint nich. I cam mond purchases a Phone mon hope to possed one unless find coursely mil Attend to men. I pray out yo Vont disappoint me Wirk Complimed of the arrive.

[ATTACHMENT/ENCLOSURE]

nas so Rice	Then I am afraid they would
N. Alice Bickford,	toward at the aires
30 Davis Street	somewhat strained.
Santa Cruz, Calif.	yours respectfully,
Dear Madam:	
I have received your	
favor of the 4th wistant asking	
me to present you with a	
Phonograph and some Records.	And the second s
In reply I beg to say	
that while I regret to leave of	
your inability to purchase an	
your marring	٤
instruments and records, it will be	
out of the question for me to	
comply with your request. If I	
were to attempt to answer favora	ste,
to all similar requests, it would	
was to the same	
need the resource equal to those	
of the Bank of England, and an	4

The Port Huron Times-Herald

Daily Circulation for 1910

March 29, 1911

Hon. Thomas A. Heison,

Orange. New Jersey.

and I'm

Dear Sir:-

Port Unrow, the home of your boyhoud dage, is striving to complete C.Y. M. C. A. building. Fam; attempts have been made in the great without success. The elimetion at greater is an Follows:

On Birth street, ment to the Port Furen Club, is a three story brick building with the exterior almost comploted, that is the walls and roof have been constructed but the finishing work is not done. The interior finish has not been commerced. It will cost clover thousand dellars to complete the building. Dobts to the amount of nine thousand dollars are owing. It will cost five thousand dollars to furnish it. Without many wealthy men in the city, it has been impospible to secure a large initiatory places to start a fund to complete the work and pay the debts. Therefore a compaign of a collar a hand from every ran, wemen and child in the city was recently started and today we have practically seven thousand collars in each endahout thirty-five hundred collars in first class pledges and other good assets valued : at about twenty-five hundred dellars. The compaign will close Saturday and without some outside assistance, it is apparent sufficient funds will not be reised to make the venture a success. It occurred to me that you might be willing to make a constion. I secure you that anything you can see

E. J. OTTAWAY, PRESIDENT

The Port Huron Times-Herald

Datty Circulation for 1910 12,806

your way clear to (e, will be greatly eprreciated by an envise and thankful community. If you wish further details and information, I will be only too glad to furnish them for you.

Hoping that you will receive this communication in the same sincers and loyal spirit that it is rest and that you can find it convenient and that you are willing to respond to this erreal, I remain

Louis Spanner yours,

put me down for \$100. I would do more wors at not for the fact that my accept to year use surplus money to great advantage for all the great advantage of the surple of the great advantage of the surple of the great advantage of the great

POR JOHAWAY, PARENCE

The Port Huron Times-Herald Port Huron, Michigan

12,806

April 8, 1911

Hon. Thomas A. Edison, Crango, E. J.

Dear Sir:-

I am in receipt of your very kind favor of April 1st. I essure you we greatly appropriate your generous gift to the Y. H. C. A. and the recule of Fort Haron are particularly proud of the fact that you have not forgotten your old home town. To fully realize the great work you are doing for all humanity in conducting experiments and went you to know that we sincerely appreciate your subscription.

Again thanking you, I am

LAW-L

El-Church

St. Paul's A. M. E. Church 94 South St., Orange, New Jersey April 8,1911.

Mr. Thomas A. Edison,

ALLO SIL

Orange, N. J.

My Dear Mr. Edison:-

The enclosed receipt will certify to,

that we have received your check for \$20. which you gave as a donation toward our mortgage fund. I assure you my sir, that it is much appreciated and thankfully received. We are now completing arrangments to pay off the mortgage on Tuesday not preventing. We only need \$400 more. This we hope to get from our members when they report Sunday(tomorrow)evening.

Again thanking you, I remain,

Gratefully yours.

For the Tristaes, Smith,



Voung Men's Business Association

Wort Muran, Michigan May 23, 1911.

Honorable Thomas A. Edison.

Orange. Hew Jersey.

Deer Sire

The people of Port Huron want you to The people of Fort airon want you to honor our city with a visit sometime during August or September for the purpose of heving an Edison Day celebration here. We realize thoroughly that we colebration here. We realize thoroughly that we are asking a great deal to expect you to give any of your time to such an undertaking, but we are absolutely sincere in the belief that you will enjoy a visit to Port Huron, the scene of your enjoy a visit to fort huron, the scene of your boyhood days, and we will do everything in our power to make your stay pleasant and thoroughly agreeable. The young men of Fort Huron are at the helm here The young men of Fore hardness are as the helm here now, and we believe you would be interested in the changes wrought in our city. Our plans for the proposed Edison Day celebration are elaborate and farreaching, as we propose to have here, if we secure your consent, some of the best known men in the electrical world, many of whom have already signified a desire to be present at the time you honor our city with a visit.

We will leave the fixing of the date ontirely at your convenience, and only hope we may have the pleasure of a favorable reply. We assure you all the people of Port Huron want you with us for at least a day and that we will all feel highly honored by your presence.

Sincerely yours,

Sou it will ba

the westalin as I have Secretary.

averauged to take my family to in anguil scot a coloba, someth I have promused theemfor 15 years-

Dan Herran

Execution Office

And the server of the serv

Hon. Thomas A. Edison,

Menlo Park. New Jersey.

HAL ...

Way 29th/11.

Dear Sir:

The citizens of Port Huron have in contemplation the holding of an Industrial and Agricultural Fair during the coming fail and in connection therewith propose having a "home coming" at which former residents will be urged to attend.

We are especially proud of your wonderful record of achievements and brilliant attainments and to know that at one time you called port huron your home.

convenient to spend at least one day with us as a guest of the City. We will arrange a date agreeable to yourself and ondewor to the extent of our power to make your stey, of whatever length you may decide, pleasant and benfrictal.

we are in hopes that the Govenor of Michigan and other distinguished guests will honor us with their presence on the same occasion.

Hoping to receive a favorable response and with assurance of our highest esteem and regard

I am most respectfully yours,

Mayoz

Pur Huron

M 5- 30 Dear Mr. Edison: -The answer to my note to you was a sely surprise and roant to chank you sarry much - The To so will make a ful mestage for du booth auf me well all mak hard to ded a good own to it so that the Edison Worth rigary by well up on the bist of booths - I shall be pleased to the you know how we come out - The lakers have you know for the hospital dett- but it is still given large - and my hefre to make quite a bit of ononey on the 20 th & am Ocuding you the news Jofen with up they gare our both and hofor that it may please you -Thanking you very much again - dud sidesoly hofring Up may come to see us some day yeny Lincorely. Jose Dr. Hereus. 200 4 Military St., Partiturer, Mich. July - 2-1911.

[ATTACHMENT/ENCLOSURE]

Thomas A. Edison Sends \$10 to Ladies in Charge

of The Hospital Fiests.
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the first three three of the first dries will be for size at the heartst dries will be for size at the heartst dries and the first dries will be for size at the heartst dries and the first dries will be for size at the heartst dries and the first dries will be designated by the name of the grad involve. The designation of the grad involve. The designation will be designated by the name of the grad involve. The designation will be designated by the size of the grad involve. The designation of the grad in the first dries are the designation of the grad dries are the designation of the grad dries are the designation of the designation

. . El. Pus?

PRESIDENT'S OFFICE

Memorandum

1898

August 21, 1911.

Mr. Harry F. Miller:

Referring to your memorandum on the subject of \$200.00 of Mr. Edison's money on deposit in Faris, undoubtedly Brandon Bros. will charge something for their services in connection with the matter, but I will arrange to have what is left turned over to the fund for the "Poor of Paris", as Er. Edison requests.

FLD/IW

Enc-

[ATTACHMENT/ENCLOSURE]

Mr Dyst Mr Edison requested
that the sum on defeat be given
to the fund for the "Poor of Paris
It does seem dough that it cooks
him \$25.22 to give away \$200 trock you
thuck so?

H. J. M.

[ATTACHMENT/ENCLOSURE]

BRANDON BROTHERS Estab# 1850

D.H.BRANDON F.H.C.Int FA RR/RJ w works Graduate at Lan

SO RUE DE PROVENCE PARIS. (IX)

PATENT LAWYERS PROTECTION OF INDUSTRIAL PROPERTY

CABLE ADDRESS . ABDICANT PARIS

WESTERN UNION CODE TELEPHONE 154-23 wr.Frank L.Dyer, Edison Laboratory, Orange, N.J.

Dear Sir.

Referring to your's of the 12th ult. which we acknowledged on the 22nd ult. we beg to state that we have now received from Mr. Hiram S. Maxim a power duly executed by him for the purpose set out in your letter to us dated the 17th May last. We now trust that by means of this power of attorney we will be able to obtain the withdrawal of the 1000 francs deposited by Mr. Edison on August 18,1881.

For his time, fees, notarial and all expenses Mr. Maxim asked £5, which we have sent to him-

We remain,

Yours truly,

Erancia M. Bacon

Theodore Thomas

Dr. Drv. FREDERICK BURGESS, D.D.

RODERT W. B. ELLIOTT

ROGERS H. BACON TREADURES

TRUSTINS A 101 March Rev. Henry Mottet, D.D. John A. McKin Roswell Eldridge Ray, W. M. Grosvenor, D.D. Saint Iohnland POUNDED A. D. 1866

HOMES FOR AGED MEN AND WOMEN AND AGED COUPLES HOMES AND SCHOOLS FOR CHILDREN AT KING'S PARK, LONG ISLAND

> REV. HENRY CHAMBERLAINE, SUPERINTENDENT ADDRESS COMMUNICATIONS TO THE SOCIETY OF SAINT JOHNLAND 328 BIXTH AVENUE, NEW YORK

John Seely Ward Rt. Rev. F. Burgess, D.D.

Herman C. von Post John W. Auchinciast Edward R. Biddle Rogers H. Sacon Robert L. Harrison William B Coles George P. Canfield

ge E. Chisoles FISCAL AGENT CENTRAL TRUST COMPANY

New York, November 21, 1911.

Mr. Thomas A. Edison.

West Orange, N.J.

NOV 22 211

Hy dear Sir;-

Enclosed you will find receipt for your contribution to the Society. Your co-operation is greatly appreciated as Saint Johnland needs support in the many improvements that are being planned for the welfare of the entire Community.

We are arranging to give old as d young a particularly happuy Holiday time.

Thanking you for your assistance, I am.

Yours very truly.

Treasurer.

[ATTACHMENT/ENCLOSURE]

The Suriety of St. Johnland

The Suriety of St. Johnland

The Suriety of St. Johnland

New York, Required to Therefore the Suriety of St. Johnland

Received from Therefore the Suriety of St. Johnland

THE SOCIETY OF SAINT JOH

Edison General File Series 1911. Chemicals (E-11-30)

This folder contains a letter from the Hooker Electrochemical Co. seeking information about chlorine and caustic soda, along with a letter pertaining to the commercial use of aluminum phosphate.

All of the documents have been selected.

Copeland, Bamilton & Butchens Attorneys at Law No. 12 3rd Avenue

Rome. Co.

Thomas Edison Laboratories, Orange, New Jersey,

Gentlemen: -

As a by-product in a manufacturing industry we are con-We will have a large quantity of templating establishing here, pure aliminum phosphate. Has this substance any commercial importance? What price per ton would it bring in the market? Thanking you for any information in regard to this.

HH-m

fal. Jem

HOOKER ELECTROCHEMICAL COMPANY 40 WALL STREET NEW YORK

We are us a state of transition of the Caumet say my thing definite that the state of the state

Gentlemen

We have in the past had some correspondonce with you on the subject of Chlorine and Cametic Soda, and would solicit from you info@rmation as to whether the matter is still of interest to you.

Very truly yours

HOCKER ELECTROCHEMICAL COMPANY

JCJ:M

Per de Prince

Edison General File Series 1911. Christmas and New Year Greetings [not selected] (E-11-31)

This folder contains Christmas and New Year greetings from Edison's family, friends, and business associates, along with unsolicited correspondence from the general public.

Edison General File Series 1911. Cigarettes (E-11-32)

This folder contains two letters pertaining to the harmful effects of bacco and cigarettes, along with Edison's reply in the form of marginalia. Also included is a letter from the company of tobacco industrialist Sotirios Anargyros regarding two promotional packages of Mogul Egyptian cigarettes sent to Edison.

All of the documents have been selected.

Cuala

S. ANARGYROS.

RLA/RBP NEW YORK, Jan. 16, 1911.

Mr. Thos.A.Edison,

Orange, N.J.

Dear Sir:-

smoker.

We take great pleasure in mailing you two packages of dur famous "MOGUL"

Egyptian Cigarettes.

This cigarette has the approval of the connoiseour, and we are, therefore, desirous of inviting your attention to the rare blend it possesses, and the exceptional satisfying aroms, which we feel confident will appeal to you, as a discriminating

Respectfully,

Margyros

DEPARTMENT OF GEOLOGY
UNIVERSITY OF UTAH
BALT LAKE CITY

PRED JAMES PACK, PH. D.

My Experience or that the ace is not of the ace is the formed, harmful after a man to fully formed, cust we tested to pather of but the was of parties a extremely hadmight we term "Ross that alto the Usah, November 1, 1911.

Mr. Thos. of Bassony) a Course degeneration technicology of Jorgo, Nor Jorgo, West Orange, Nor Jorgo, West Evening Court house

The habit of smoking has become very smooth that the consumption or tobacco is very rapidly increasing. Investigations along various lines seem to indicate that the use or tobacco is injurious to the individual, ooth physically and intellectually. The writer at the present time is undertaking a series of investigations againg with this phase of the subject.

I sa writing you personally to ascertain it you nave nad may expendence which will aid me in this investigation. You nave been thrown in contact with great numbers of men, many or whom were smokers. Has anything occurred in your experience which has given you any well derined opinions in regard to the deletrious eriect following the use of topaccof A short statument from you or such experience would be very greatly appreciated.

Anything that you may write to me will be held as purely confidential until you have given me permission to use it publicly.

Yours very truly,

F. J. Pack

Cyanettes 48 Lakeside avenue Dear Sir. Lam told you have article on cigarette smoking. health is fail & will be greatly indebted for sespectfull, Godin a Deme Gare Ann Gilbert.

Edison General File Series 1911, Clubs and Societies (E-11-33)

This folder contains correspondence and other documents relating to Edison's membership in, and activities on behalf of, social clubs, professional soloeites, political groups, and civic organizations. There are also appeals from charitable organizations, including at least one intended for his wife, Mina Miller Edison. A few letters concern the purchase of professional and other publications for Edison. Among the documents for 1911 are solicitations and additional correspondence pertaining to the American Institute of Electrical Engineers, the Eugenics Section of the American Breeders' Association, and the Telephone Ploneers of America. Several items pertain to Edison's plans to visit Chicago in January 1912. Many of the letters bear marginalla by Edison, with notations such as "say no" and "no ans." or comments that he is "too busy" to participate.

Less than 10 percent of the documents have been selected. The following categories of documents have not been selected: requests for Edison's autograph or signature, including its reproduction; form letters and other routine correspondence regarding meetings and activities; invitations and other requests that Edison either declined or did not acknowledge, invitations for which no substantive response has been found; correspondence from organizations in which Edison was not involved; published proceedings and printed circulars; and duplicates. Some of the unselected items, including letters about cigarettes, relate to material in other folders in the Edison General File.

50 WEST 40th STREET

THUS. A. EDISU

New York, Jan. 1st, 1911.

ORANGE N. J

To THE ENGINEERS CLUB Dr.

DUES FROM JANUARY 1st 1911 TO JUNE 30th 1911, \$37.50

Yweesign T

Hew York, JAN 1 1911

Mr. J. S. Edison

To The Engineers' Club, Dr.

32 WEST 4010 STREET

Your attention is called to House Rule No. 4.

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HOUSE RULE No. 4

HOUSE RULE No. 4

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NATIONAL ELECTRIC LIGHT ASSOCIATION

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BROOKLY & X

JOHN P GLIGHRIST FIRST VICE-PERSIDENT
GEOGRAS ILL

FRANK M TAIT SECOND VICE-P INSIDENT
DATEON ONLO

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YORK, Janua

Thomas A Edison, Esc Edison Laboratory Orange, N. J.

Dear Mr. Edison:

I have your reference to me of the papers with regard to the next president of the Institute and advocating Mr. Mershon. This gentlement is well supported as the printed list shows of manageographing the circular and he has done some effective and efficient work for the Institute. I believe he would make a first class president. It has been said of his that perhaps his affiliations are more particularly with the Testinghouse group, but even if this wore true I do not think it would interfer with his disinterested and conscientious efforts.

I am advised that another conditate in likely to be put in the field and he will certainly be strongly supported - Gano S. Dunn - whom I think you know quite well and who is chief engineer of the Crocker Theeler Company. Mr. Dunn has been prominent in the affairs of the Institute, giving it splendid and many pervise, and is very popular throughout the numbership. Possibly you would not care therefore to be placed in the position of taking cides and you might have preference one way or the other, while of course the use of your mane would have great weight for or against any condidate. I am returning the pagers herewith.

Believe me, with regards,

Yours truly, Lucatur

[ATTACHMENT/ENCLOSURE]

C G Vorme THOMAS A. EDISON, ESQ. Llowellyn Park. K. J.

Dear Sir:-

A large number of the members of the American Institute of Electrical Engineers have suggested the endorsement of Mr. Ralph D. Mershon as a candidate for the Presidency of the Institute. hr. Morshon has worked earnestly and successfully for the Institute for a musber of years. He has unquestioned professional ability and, if elected, can be depended upon to fill this office

efficiently and to the benefit of the organization. Many times, the friends of Mr. Mershon have graciously withdrawn in favor of some other candidate, but it now seems fitting that they should receive recognition to urge his endorsement.

I have been asked to serve on a committee to advocate his nomination and election and we invite you to become a member of this Committee and trust to receive your acceptance.

I enclose horewith proposed letter to be sent to the members of the Institute in regard to the nomination and election of Er. Morshon to the Presidency.

I am also sending you a partial list of those who have signified their willingness to serve on a Committee to advocate the election of Er. Hershon, all of whom will probably sign this letter. Will you please;

(a) Promptly sign and return the enclosed letter to Mr. Henry L. Dohorty in stamped envelope attached hereto.

(b) Refresh your memory by glancing over the Year Book of the Institute and send Mr. Doherty a list of such names of others who should be invited to co-operate with us.

Very truly yours.

P.S. You will note it is proposed to send out the letter, signed by the Committee, on Jamary 5th and hence a prompt response will be greatly appreciated.

[ATTACHMENT/ENCLOSURE]

To the Members and Associates of the

American Institute of Electrical Engineers:

The undersigned ask that you support Mr. Ralph D. Mershon for the next President of the Institute.

As to Mr. Mershon's fitness for this office there can be no question, either on the score of his standing as an engineer or on that of his activity in Institute work.

His work as an engineer has made him known abroad as well as in this country.

His effective work for the Institute has extended over many years. Besides serving as Vice-President and a Manager of the Institute, he has served on many of the committees. For many years he was Chairman of the High Tension Transmission Committee, having, as the first Chairman, had largely to do with the creation of the work of this important committee, the success of which has led to the further adoption of the Special Committee Method of carrying on the work of the Institute.

The Institute nomination blanks are sent out the first week in February, and the election ballots the latter part of March. We hope you will not fail to fill in (as they reach you) both the nomination blank and the official ballot with the name of Mr. Mershon for the office of President.

(Signature)	

New York, January 5th, 1911.

TATTACHMENT/FNCLOSUREL

A partial list of those who have signified their willingness to advocate Mr. Mershon for the office of president of the A. I. E. E. Abadis, Bagene H. Hubbley, George W. Rau, Otto Martin, Abell Harre C. Humphrey Clifford W. Raymond Relward R.

Abadie, Rugone H. Abell, Harry C. Adams. B. C. Adams, Comfort A. Atkins Charles C Anal Carl B Ayer, James I. Babcock, Allen H. Barton, Philip P. Beal, Thaddons P Beebe, Murray C. Behrend, Bernard A. Belfield, Reginald Repoliel Sol. D. Bibbins, James R. Bissing, William F. Blizard Charles Blunt, William W. Brinckerhoff, Henry M. Bump, M. R. Cargo, Lawrence M. Cheever, Markham Collver, Alfred Converse, V. G. Coster, Maurice Dean, William F. Doherty, Henry L. Drake, David E. Duff, William A. Duncan, Dr. Louis Dusinberre, George B. Eglin, W. C. I. Feicht, Russell S. Fisher, Henry W. Floy, Henry Ford, Arthur H. Franklin, W. S. Fraser, James W. Gerry, M. H., Jr. Gibbs, George Goddard, Walter T. Goldsborough, W. E. Gossler, Philip G. Harisberger, John Harper, John L. Hartman, Herbert T. Hartwell, Arthur Hewitt, Peter Cooper Hill, E. R.

Humphrey, Canora W Humphrey, Henry H. Hunt, Andrew M. Hunt Charles W Hutchinson Cary T Iones, P. N. Karapetoff, Vladimir Keilholtz, P. O. Keller, E. E. Kelly, John F. Lacombo Charles R Langan, John Langton, John Lee. William S. Lincoln, P. M. Lovejoy, J. R. Lyford, Oliver S., Jr. Maver, William, Jr. MacLaren, Malcolm Magin, Louis B. McPherson, Norman C. Merrill, E. A. Mix, Edgar W. Moore, D. McFarlan Muller, Henry Nikola Muralt, Carl L. De Murray, William S. Musil. Louis F. Myler, Paul J. Neall, Newitt I. Neshit, William Nicholson, Lloyd C. Nicholson, S. L. Nunn. Paul N. Osborne, Loyall A. Paine, F. B. H. Parker, John C. Patchell, William H. Peck, John S. Pender, Harold Pick, Stefaan Poole, Cecil Potter, Henry N. Putnam, H. St. Clair Powell, Charles S. Pupin, Michael I. Randall, Karl C.

Rau. Otto Martin Raymond, Edward B. Reed Robert R Read William E Rhodes, George I. Richardson Robert E Robb. Wm. Lispenard Roberts E. P. Rose Edward B Ruce, Walter S Rvan Harris L Rverson William N Sachs, Joseph Sanderson, Edwin N Sawtelle, Edmund M. Scheffler, Fredk, A. Schmidt, Albert Scott, Charles F. Sethman, George H. Sever. George F. Shute, Henry D. Skinner, Charles E. Smith, Julian C. Sothman, Peter W. Sprague, Frank I. St. George, Harry L. Stillwell Lewis R Storer, Simon B. Tamlyn, Walter I. Thomas, Percy H. Uhlehaut, Fritz, Ir. Untegraff, Walter D. Vankirk, Edward P. Waddell, Charles E. Walls, John A. Waterman, F. N Waters, William L. Westinghouse, George Whitehead, I. B. Wilson, Hugh H. Winship, Walter E. Witherby, Edwin E. Wood, Benjamin F. Woodmansee, Fay Work, William R. Wurtz, Alexander I. Young, C. Griffith Young, Charles L.

dub

ROBERT W. DE FOREST

OTTO T. BANNARD

J. PIERPONT MORGAN

EDWARD T. DEVINE

THE CHARITY ORGANIZATION SOCIETY

OF THE CITY OF NEW YORK

106 FAST 220 STREET

... Consequences to the County Organization Society

W. FRANK PERSONS

JMI 10 PH

TELEPHONE, 4066 GRAMERCY CARLE ADDRESS, CHARITY, NEW YORK

January 9th, 1911.

Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:-

May I thank you for your gift of \$10. for the general work of the Charity Organization Society. It is with regret that I note that you have found it necessary to decrease your contribution of \$20. made last year. Your continued interest is thoroughly appreciated and your contribution will be of real help in the work.

Please do not hesitate to call upon us whenever we can be of any assistance to you in charitable work.

Yours sincerely,

Baruard Wallon
Secretary, Finance Committee.

JBW/AVG

THE ENGINEERS' CLUB 32 WEST 4019 STREET NEW YORK

W 34,500

January 13, 1911.

Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:

In reply to your letter of the 4th inst., your election by the Board of Management to honorary membership in the Engineers' Club mullifies action on your request, and I therefore return herewith your original letter.

Allow me, at this time, to express my individual congratulations for the honor that has been conferred upon you. I hope to see you at the Glub House sometime in the near future and have the opportunity to repeat my sentiments in person.

yours sincerely,

Jos Struckers

WES.

THE ENGINEERS' CLUB 32 WEST 4019 STREET NEW YORK



January 13, 1911.

Mr. Thomas A. Edison,

Orange, M. J.

Dear Sir:

It is my great pleasure to inform you officially of the following action of the Board of Management of the Engineers' Club at a regular meeting held January 11, 1911.

In consideration of high attainment in the development of the application of electricity for the use of man and the great good thereby accomplished for the comfort, convenience and betterment of the human race, it was YOEED:

To elect Thomas A. Edison an honorary member of the Engineers' Club.

Respectfully yours,

Jos Struther

(ATTACHMENT/ENCLOSURE)

dubs

ell. Joseph Struthers

Secretary .

The Engineers' Club. 32 West 40 & Street,

new york.

Dear Sii:

I am in receipt of your

favor of the 13th mistant informing me of the action of the Board

of Management afrainting

Exact in cleating me a

In acknowledging this

notification, allow me to express

the sinere appreciation my thanks

together with my gartification

Am sincere appreciation of the

honor man conferred upon me by

the Board of management in cleating me to the honorary

member of the Ode Engineers' blue.

Yours respectfully ,

NATIONAL ELECTRIC LIGHT ASSOCIATION

W W PHREMAN PRESIDENT BROOKEN N X

JOHN F GILCULTET FLEST VICE-PRESIDENT CREACE ILL

FRANKL M TATT SHOULD VICE-PRESIDENT DAYSON CREACE ILL

TOOMMENFORD MARTIN SHORETARY

COMMENFORD MARTIN OBSESSOR

EDILLINGS ASSTSSESSATAR AND TRALEDASS

VERBIT W BUILDETT GREERAL COURSEL

WATER BY HODGERSON MARKA COURSEL

Mudden Mun of the and the area of the area

Thomas A. Edison, Esq. Clement Drance New Jersey

Dear Mr. Edison:

I am very glad indeed to advise you that at the meeting of the Engineers Club on Jamuary 11th, you and Admiral Melville were closted to honorary membership in the Engineers Club. Our only other honorary member is Hr. Andrew Carnegie. I presume you will be advised officially but I have much pleasure as a member of the Board of Trustees participating in this, to send you my warmest congratulations. I feel that the Club has conferred an honor on itself. Admiral Melville, I might say, was seventy on 7uenday.

With regards.

THE WESTERN UNION TELEGRAPH COMPANY. 24,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD. ROBERT C. CLOWRY, THE WESTERN UNION TELEGRAPH COMPANY. 24,000 OFFICES IN AMERICA. main St., Orange, E. J. 190 Telephone SO, Always Open. RECEIVED at Dated

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Dobolady nienes for Dunn as he is a friend of mine Zaum Sent Jan 17th 1910

Orange, N. J., 1/18-1911 19

Beceived from Thomas A. Edison

BECCHIED PATRICULA, Gollars

Jun 20 1911

Line for 1911

dubs CHARLES N. SANSOM

INLES H. SANS

INVING C. BROWN

----OTTO 1 HERDWICH . COTO BRAUN

CHARL B. OGDEN

CREDIT MEN NEWARK ASSOCIATION OF

..... ---- 07 7414111 OCTORED STM. 1997 FRANK S. CODD. CHARMAN



MEETINGS SECOND THES.AV OF MOUTH ... ----- OF THE BOARD OF TRADE

NEWARK, N. J., January. Mineteenth Mineteenth, Mineteen-Eleven.

CHARLES E. DANIEL WILLIAM A. HART ARTHUR B. UNDERWOOD PREDERIG P. GRANE COMMITTEES ----

GURTIS R. BURNETT WILLIAM P. BARTON

WILLIAM E. CAIN

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PUBLICITY LOUIS HANNOCH. FREDK. U. DODGE BENEDICT PRIETH BURINESS LITERATURE LOUIS A. KEMPF ROST. B. STOUTENBURGH GEORGE R. POTTER

> ASSOCIATION COUNSES ROY F. ANTHONY

Gr. Harry F. Miller, Edison Portland& Gement Co.. Orange, N.J.

Dear Sir: The Trustees of this association have appointed you a member of the Investigation & Prosecution Committee to-gether with the gentlemen named below, for the ensuing

A moeting of the committee will be called by the year. chairman very shortly.

Respectfully yours. Theo Booretary.

Mr. Frederic P. Grane, Chairman. ar. Adolph C. Navatier,

ir. Richard B. Young, Mr. Charles F. Dodd.

DIC. J.F.B.

ESSEX COUNTY COUNTRY CLUB

West Orange, N. J., Thomas Edison,

Dear Sir: The amount of your indebtedness to the Club at the close of last month, according to detailed statements which have been rendered, was \$ 5.600

been rendered, was 8 _ D-70V.

On the Bidh of this month a list was posted in the Club
House of the amounts due by all members. As your indebtedness
has remained upond one week faire posting you are heavity notified
of the fact and are requested to pay the same.
If this indebtedness be not just and within one week of the
notification, the By-Laws provide that can have no further
credit at the Club will the indebtedness is paid.

Very respectfully,

THE EXECUTIVE COMMITTEE.

داره

ILLUMINATING ENGINEERING SOCIETY

OR. ARTHUR M. ELLIOTT, CHAIRMAN

WILLIAM H. GARDINER

January 27, 1911.

36 WEST 39TH STREET NEW YORK, N. Y.

Reed ear

Chain A. Edison, Esq.,

Orange, H. J.

bear Sir:-

The Transpore of the free Yest Section have note speedal pursuperants for the regular yearthy mostling which will be hold Schwarzy Chi, if the Dampson of the Goat Hold Gardy 20 Growth Aroma, between 18th and Schi Birucha, at 5:15 of School and Schi Birucha at 5:15 of School and Schi Birucha at 5:15 of School and Schi Birucha at 5:15 of Schiol and Schio

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Yory rescogtfully yours,

Secretary New York Section.

20-60-11125

club

THE NEW YORK ASSOCIATION FOR THE BLIND

| No. | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1

MR. WILLARD Y. KING MI

THONE PLAZA 5319

Dear Mr. Edison:

Thank you, on behalf of our blind wards and this Association, for your welcome contribution, for which please find enclosed the Treasurer's receipt.

Your continued interest in our activities is a great help and an incentive for increased effort.

We earnestly hope that you will be able to take time to visit the Lighthouse with your friends to learn just what our light-giving work means to the blind.

We are eager to have our friends realize that one of our most useful services is acting as a Bureau of Information to the blind and the seeing concerning the horizon open to those who have lost their sight. For this purpose we have an exhibition of objects, showing the emancipation of the blind which includes tools, writing appliances for them and articles, including statues and cutlery, which they have made. This little exhibition, with our blind weavers and stenographers, does not fail to interest our visitors, among whom we hope to have the pleasure of welcoming you.

Very truly yours,

Thomas A. Edison, Esq., Llewellyn Park, Orange, N. J. Ar unjudefolf

CHARLES E. BURNAR MEGHANICAL ENGINEERS

Hr. Thomas A. Edison.

A. Edison,
Henlo Fark. H. J.

Long I (record to the county)

I take the liberty of sending to you (under figure power ten article which the copy power ten article which the copy of the c

Dear Sir:-

cover) a typewritten article relating to "A MHEDED IMPROVEMENT IN THE PATTER OFFICE". I am prompted to send it to you upon hearing of the existence of the INVIETOR'S TURBLE OR HER YORK City, recently formed, and that you are a memigr. Not knowing the the address or headquarters of the Guild, I cend it to you.

A perusal of the paper will show I think, that I have made a conscientious effort to improve the Patent System. No one knows botter than I do how much it needs it. I also know that little will be done, unless we inventors do it ourselves. One who has actually served in the Patent Office and observed the conditions from the inside can see why. This I have done. History shows that those who want justice have to go after it. If the paper is of no interest to you, or the Guild,

kindly return it with the enclosed postage. I would like to know whether the Guild would be interested in other articles touching upon other features of the Patent business, from an inventor's standpoint. I have many other notes filed away awaiting the writing up.

My object in writing the article, was primarily to improve the patent system, and thus benefit inventors, incidently O, E. BURNAP, NARBERTH, PA.

CHARLES E. BURNAR MECHANICAL ENGINEER,

CHICAGO. Feb. 11th, 1911

TAE-2.

receiving my share of the benefit. Other objects were to receive whatever credit may come from it. With both these objects in view I am sending it on to you.

Very truly,

AMERICAN BREEDERS' ASSOCIATION—EUGENICS SECTION

DAVID STARR JORDAN, CHAIRNAN C. S. DAVENPORT, SECRETAR

(Marjoria

EUGENIOS RECORD OFFICE

H. H. LAUGHLIN

Ur. Thomas A. Edison, Orange, N. J. D SPRING HARBOR, LONG ISLAND, N. Y.

200. 20, 1922, Our Me

The Eugenica Section of the American "receders' Association is striving to determine the laws of the inheritance of human characteristics. Accordingly, this office is collecting for such scientific study data concerning the inheritance of mental and physical traits in the fumilies of scientific and professional men. We desire to have a record of your family traits; your cooperation will be appreciated.

To facilitate the inquiry, we have prepared a form entitled "Femily Records" with spaces for the desired data; information on about thirty-five points for each person is asked for. If desired, a duplicate form cun be sent to be retained for your own use.

It is understood that this data is wanted solely for scientific study and will, when received, be kept strictly confidential - no names will be published.

If you are willing to cooperate, please mail us the enclosed postcard.

Very respectfully yours,

N. Leccionario

Enclosure.

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aliks

AMERICAN BREEDERS' ASSOCIATION—EUGENICS SECTION

EUGENIOS RECORD OFFICE

H. H. LAUGHLIN

cold spring Harbor, Long Island, N. Y.

March 1, 1911.

lm 3/16/11

,

Mr. H. F. Miller, Sec'y, for Mr. Thos. A. Edison, Orange, N. J.

My dear Sir:

As per your request, we are sending by today's mail four Family Records and sincerely hope that &r. Edison will find time to fill out the blank detailing the family distribution of the traits called for among his ancestry.

Inasmuch as this office seeks to discover the laws governing the inheritance of such traits, we also greatly desire that a second Family Record, in which Mrs. Edison shall appear as one of the children, shall be made out.

This work is progressing very satisfactorily; many interesting family histories are being forwarded to us for analysis.

Very truly yours,

H, X sugre.

C1.105

AMERICAN BREEDERS' ASSOCIATION—EUGENICS SECTION C II DAVENDONT, SECRETARY DAVID STARR JORDAN, CHAIRMAN

EUGENIOS RECORD OFFICE

H. H. LAUGHLIN

COLD SPRING HARBOR, LONG ISLAND, N. Y.

Mar. 20, 1911.

Er. H. F. Miller, Sec'y, Mr. Thos. A. Edison, Orange, N. J.

My dear Sir:

We regret very much that our records of family traits miscarried; we have sent other copies which we sincerely hope Mr. Edison will find time to fill out.

We are receiving from time to time some very interesting pedigrees, and hope, through the study of such histories as we wish to secure from Mr. Edison, that the laws governing the inheritance of mental and physical traits will he worked, out.

Very truly yours,

Superintendent.

T. PERCEVAL GERSON, M.D.

Have not withdrawn and 25, 1911.

Hon. Thomas A. Edison,

Orange, New Jersey..

Zin so ar, aux 4/1/10

In a recent debate, in which I was a participant, agon the subject of a proposed Mational Department or Bureau of Mealth, my opponent being the local representative of "The Mational League for Medical Freedom," I quoted from the Congressional Record (Vol. 45, No. 68-) a portion of Secuntar Robert L. Owen's speech in which your mane is mentioned.

In his speech, Er. Owen makes mention of the fact that the members of the Committee of One Hurdred of the American Association for the Advancement of Science on Rational Health endorsed such proposed National Department of Health in this language-

"Believing a vigorous, healthy population to be our greatest national asset, and that the growth, power, and prosperity of the country depends primarily upon the physical welfare of its people and upon their protection from proventable pestilences of both foreign and demestic origin and from all other preventable causes of disease and death, including the santury supervision of factories, nines, tonesents, child labor, and other places and conditions of public employment or occupation involving health and life, we advocate the organization of all existing national public health agencies into a national <u>Acpartment</u> of public health, with such powers and duties as will give the Pederal Government control over public-health interests not conserved by and belonging to

T. PERCEVAL GERSON, M. D. SUITE IOH-IOIZ W.P. STORY BUILDING

the States respectively."

In the membership list of the Committee of One Hundred, your name in mentioned thus:

"Thomas A. Edison, inventor electric light, phonograph, etc., Orange,

II. J."

In the debate my opponent took occasion to inform me that when you learned "the real nature" of the proposed national health legislation you withdrew your name from such endorsement, but I could not credit it. imay I ask you for your statement as to the truth in the matter, that either he may be corrected or that I may cease to quote you as I have?

Trusting the lengthy queries and remarks may not prove a source of annoyance to you, I have the honor to be,

Most sincerely yours,

J. Phreon Amon.

Unbentors Guild

PRESIDENT: RALPH D. MERSHON, GO WALL ST., N. Y.
197 YIGC-PRESIDENT: CHAS, W. HUNT, WEST NEW BRIGHTON, N. Y.
2ND VICE-PRESIDENT: CHAS, S. BRADLEY, A! PARK ROW, N. Y.
SECRETARY: THOMAS ROBING, 12 PARK ROW, N. Y.
PERSHUREJ: HENRY L. DOMERTY, 60 WALL ST., N. Y.

PROFESSIONAL COMMITTEE
THOMAS A SIGNON, LUCUATOR OF THE MED. PATTERURS, PA.
MICHAELL PURPH, WEST 7200 ST., N. Y.
PETER COOPER HAVETT, MAD. SO. ARREST 700 ST. N. Y.
SION J. ARMOLD, 151 LA BALLE ST., GRESSO, ILL.
CHAB. B. BRANCH, 44 PARK ROW, N. Y.

New York, March 28, 1911.

Mr. Thomas A. Edison,

Llewellyn Park, New Jersey.

Dear Sir:

ME 32 31

It is with great regret that I have to inform you of the death on the 27th inst. of Mr. Charles Wallace Hunt, Vice President of the Inventors Juild. The funeral will be held at 11 o'clock on Thursday morning at the Church of the Ascension, New Brighton. Electric cars will meet the Staten

Island boat leaving South Ferry at 10 a.m. It is hoped that as many members of the Guild as possible will attend.

It has been decided that on account of Mr. Hunt's death, the regular monthly dinner, which was to have been held on this Friday evening, and of which you have already received a notice, will be omitted.

Yours res

INVENTORS JUILD.

The Lord's Day Alliance of Canada.

resident:

remuter:

Mr. Thomas A. Edison. Orange. E. J.

Dear Sir:-

I take the liberty of writing you with to report I have seen in the public Press to the effect in the manufacture of Cemont, in your judgment, a minimum of Sunday Labor is all that is essential for the safeguarding of the furnaces. I regret that I have not the exact report else I would submit it directly to you, but may I ask you, inasmuch as in our work we have had to give this business special attention, if you would be good enough to write me your views as they have been expressed in connection with this process as far as Sunday Labor is concerned.

Trusting I am not imposing, I am,

Yours very truly.

Orange, N. J., apl -

Received from Thomas A. Edison Twenty and Tou Je Expenses 3rd Feational Ceace Congress 520 The Mark Hou. Richard J. Wate Trees.

NEW JERSEY ASSOCIATION FOR THE PREVENTION AND RELIEF OF TUBERCULOSIS

PRESIDENT VICE-PRESIDENTS
DR. WILLIAM G. SCHAUFFLER, LAKEWOOD LIAM G. SCHAUFFLER, LAKEN

HONORARY VICE-PAESIDENTS
HON, JOHN FRANKLIN FORT, TAENTON
RT. REY, JAMES A. MOFAUL, TRESTON
PRESIDENT WOODROW WILSON, PRINCETON DIRECTORS

ECRETARY AND TREASURER THOMAS H. WILLIAMS





TELEBROWE ARAD W. MARKET

Newark, N. /. May 8, 1911

Mrs. Thomas Edison. Llewellyn Park. West Orange, N.J.

near Madam:-

its fifth year, during which time, according to the Bireau of Yidal Statistics, there have been 1200 less death at the bireau of yidal Statistics, there have been 1200 less death at he we been reached for the tuberculous sick; laws have been cancel of the property of th nave been organized 55 local associations, man of which are doing much to protect and educate their communities by lectures, literature, exhibits, nurses, day camps, and out door: schools.

We need \$1,000 to complete our budget to November first. Will you not contribute \$25,00 making your check payable to Thomas H. Williams, Treasurer, Room 909, 164 Market St., Newark, N.J.?

Yours very truly,

William C. Smallword Executive Secretary.

[ATTACHMENT/ENCLOSURE]

Form 26-13-11-2000					
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MRS. THOMAS	A. EDISON	_	_	_	
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Clab Daes		+	+	H	-
Mr. T. A. Edison		+	+	Н	-
Mrs. T. A. Edison		H	+	H	
Miss Madeleine Edison		Н	+-	H	-
Mr. Charles Edison		Н	+	H	+-
Mr. Theadore M. Edison		Н	+	H	+-
Entertainment		H	+	H	+-
Fael		\vdash	+	H	+
Forniture and Fixture		H	H	+	+-
Gerage		Н	4	H	-
General		H	H	++	+-
GIU		ш	Н	$^{+1}$	+-
Greenhouse and Grounds		4	H	+4	+-
Laundry		+	Н	+	+-
Library		+	H	+	H-
Living		+	H	+	+
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Sund - Mortin-Tic NATIONAL ELECTRIC LIGHT ASSOCIATION

W W PRESMAN PRESIDENT BECOMEN N X JOHN F GLOUMINT PIERS VICE-PRESIDENT GLOUGE ILL CHICASO ILL

RANK M TATH SECOND VICE-PRESIDENT
DATTOR ORD
COMMERFORD MARTIN SECRETARY

MERFORD MARTIN SHORE ON II HARRIES THEASTERS OROW II HARRIES TERABURE SILLINGS ABST SECRETARY AND TREASURES BRETT W BURDETT GREEK COURSE MARKAL COUNSEL

(Mrs. 2/2/V)

Thomas A. Edison. Esq. Edison Laboratory Orange. N. J.

Dear Mr Edleon:-

Xb server of the control of the cont Our mitual friend Mr. Gano S. Dunn, has just put in his application for the Engineers Club, proposed and seconded by Professor Jackson and myself. We shall be greatly obliged if you will endorse this in person or write to the Secretary of the Admissions Committee requesting him to do so with your name. There is a long waiting list but it is the practice of the Club to give priority to the incoming presidents of the national engineering societies, if up for membership, and it is naturally desirable that Mr. Dunn should be able to enjoy all the facilities of the Club in connection with his new work immediately after the nummer.

Thanking you for your kind co-operation, believe me,

Yours truly,



THE AUTOMOBILE CLUB OF AMERICA SAYAND SST STREETS WEST OF BROADWAY

NEW YORK CITY

May 22, 1911.

Jin ach spyla THOMAS A. EDISON, ESQ., Llewellyn Park, Orange, New Jersey.

Dear Sir:

SECRETARY

I have the honor to hand you herewith your membership card for the year 1911, as an Honorary Member of The Automobile Club of America.

Yours very truly,

Secretary.

F/P Enclosure.



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MAY THEIL REIMED

BORERT L. STEVENS, Jr. TREASURER

......

HOME EDUCATIONAL SOCIETY

FIRTH AVENUE BUILDING

AAA FIFTH AVENUE

TELEPHONE, 378 GRAMERCY

"r. Thomas A. Edison, West Orange, N. J.

Dear Sire

Whatever the Steer of March the Lock the 21 bone 22 h A few days ago we took the liberty of writinr you, re-questing you if you would be so kind as to favor us with some article that you had perhaps written or copy of some address which would more or less be of general interest to home people, particularly on the subject of clotricity in the home

We wish to use this article in our book, "Hints for The Home", to which we have many noted contributors, in-cluding Press Emeritus Eliot of Harvard, Hon. John Wans-maker, Hon. Mathan Straus, Dr. Harvard Wiley, and many others.

Any artice that you may have which has been published you can call our attention to it, and we will get the per-perture of the period of the period of the period of the your kind attention, and will take great pleasure in call-ing on you in reference to it, if you wish us to make a personal call and give you any further information.

Kldnun charge of editorial work.

EU_AA

Course

THE DELAWARE, LACKAWANNA & WESTERN BAILBOAD CO.

Traffic Department.

West Street Building-90 West Street Now Youle Ditte

n n calewell

There is a letter to

Dear Mr Edison:

The enclosed copy of my letter to the Committee on Membership, Essex County Country Club, written in behalf of Rev William Albert Frye, Pastor of the Methodist Episcopal Church of Orange, is selfexplanatory.

T have met Dr Frye several times recently. once when calling on my father-in-law Bishop Bowman. and learned that he was quite interested in golf and would like to be granted the privileges of membership in the Essex County Country Club under the rule covering the extension thereof to clergymen resident of Essex County. Hone it may be agreeable to you to write

a letter to the Committee on Membership endorsing the proposition I have made.

Thanking you in advance for the courtesy,

I remain.

Respectfully. Bol Carla See

Mr Thomas A Edison. Llewellyn Park, Grange, N.J.

[ATTACHMENT/ENCLOSURE]

THE DELAWARE, LACKAWANNA & WESTERN RAILROAD CO.

Traffic Department,
West Street Building-90 West Street,
New York City.

B. D. CALDWELL.

July 5th, 1911

Committee on Membership,

Essex County Country Club, West Grange, N. J.

Gentlemen:

In accordance with Article Three of the Constitution which provides that members of the Clorgy, resident in the county of Essex, may qualify as, and be members of the Club, without payment of initiation fee and dues, upon election in the same manner as resident members, beg to nominate for membership, Rev William Albert Frye, Paster or the Methodiat Episcopal Church of Grange, NJ. located on the corner of Park Avenue and Day Street.

pr Frye is a clergymen of recognized character and ability and would be glad to have the privileges of the Club, particularly with respect to the golf course, in which game he is much interested.

As Dr Frye is ErjEdison's pastor I have written Mr Edison asking him if he would not be good enough to write you a letter as endorser, in accordance with the requirements.

Article Three also provides that special privileges
may be extended to non-members by the Beard of Governors and, with
this in view, am asking if it would be consistent, penting the
taking of action extending the privileges of membership to Dr Frye,
for him to be my guest on the golf course, with the understanding
that each time he played proper card would be signed and charged to

[ATTACHMENT/ENCLOSURE]

(2)

my account. As making this suggestion for the reason that I am assuming it may take some time for the Board to act upon the main question and as Dr Frye will probably do most of his playing during the intermediate days of the week, at which time I will be unable to be with him, am hoping arrangement can be made so he can, during such interim, have the privilege of playing as my guest without the enforcement of the ordinary requirement of my socompanying him.

Would appreciate advice from you as to the extent to which it may be consistent and agreeable to comply with the within request.

Respectfully,

(SH-CaeduSUS)

July 5, 1911

Paris

Thos. a. Edison

I take pleasure in information you that Committees Outernation Club, France Las elected you by acclamation.

member of Honor Signed

Deguylor Pris.

Attomobile Glub 19/1
DE FRANCE
MC Chomas Alva
Editori
Maior & Morganic

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and the same of th					
1					

You are made an honorway member of the French Automobil Clash Deguylor President

Culomach Charle of France
Pavis

Many Thanks for the honor

Cable Paid here

Till Irents

THE TELEPHONE PIONEERS OF AMERICA

15 DEV STREET

H. W. POPE T. B. DOOLIYTLE

(molodis

Mr. Thomas A. Edison, Orange, N. J.

My dear Edison,

Your absence in Europe has prevented my viting you before this with regard to the organization of the Telephone Pioneers, which I am interested in promoting. I am very anxious that you should become a member and have your name inscribed upon the rolls.

We have about 450 names of those dating previous to 1890, which is the line drawn on the Fioneer situation,all coming in the service thereafter being classed as "Juntor Fioneere".

I enclose the craimary form of invitation to join and also me totice with regard to the first meeting, which is to be add at the Somerset Eded! Boston, Hovember and and Sod. The bunquet is to be on the night of the 2nd, and is to be of the Cridiron character - with plenty of ginger.

I also enclose one of the usual Memorial notices that we send out at the death of members. By the way, this one is of one of our old associates, Billy Sargent, whom you will probably recall.

Do you not think you could arrange to be present at the meeting. Flease let me hear from you.

Yours truly,

Hung land



AMERICAN MUSEUM OF SAFETY

ated under a special charter from the

Engineering Societies' Building, 29 West 39th Street, New York

Consessed William II To

PRESIDENT - PHILIP T. DODGE

SECTION OF SANITATION:

IRON AND STEEL SECTION:

BOARD OF APPROVAL OF EXHIBITS:

November 4. 1911.

Mr. Thomas A. Edison. My dear Sir:

On behalf of the International Committee for the 1912 Congress on Accident Frevention to be held in Milan, the American Museum of Safety has been appointed the representative for the United States to organize an Honorary and a National Committee.

The Honorary Committee is limited to sixteen. B the enclosed proof you will note the eminent character of the Statesmen, Governmental officials, and Industrialists, com-prising the French and Italian Committees. Similar groups are organizing in Germany, England and Belgium.

On behalf of the International Committee, we cordially invite you to membership on the American Honorary Committee which will represent great American industries and men of influence.

For Iron and Steel, Judge Cary has accepted also James Speyer. By this same mail, invitations are going forward to President McGree of the Pennsylvania Railrond, Andrew Carnegie, J. P. Morgen, Gyrus Modormick, H. C. Frick, Seth Low, Joseph E. Schiff, Scoretary Magel and the President of the United States.

Trusting that you will consent to be a member of this distinguished group, I sm, on behalf of my colleagues.

Very sincerely yours,

I do not like to go on housen

First National Exchange Bank

United States Depositary

IL G. BARNUM, PAREMENER,

J. E. MILLER, VOSE PAREMENER,

GUS HILL, CASHIERE

D. D. HROWN, ARST. GASHIERE

A.C. LARREN, ARST. GASHIERE

Port Huron, Mich.

November 22nd. 1911

Thos. A. Edison:-

Orange. New Jersey.

Dear Sir:-

NOV 24 3

Beg to acknowledge receipt of your letter enclosing check for \$100.00, donation to the Y. M. C. A. of this city. We wish to thank you very kindly for this remittance and assure you that it is greatly appreciated by the members of the association of this city and also the citizens.

Yours year truly

Prouve grasurer.

(mo)2/11

H.M. BYLLESHY & COMPANY. 206 HOUTH LA NALLE STPURE

CHICAGO₁

My dear Mr. Edison: Greatly dest

My dear Mr. Edison: Free first of a more more that to a work with a sology to tell me that you had taken great interest in reading the proceedings of the Second Annual Convention of our staff and employes, which amortem & well go

beeong annual convention of our start and employes, which was held in Chicago last January.

Of the organization of H. H. Bylleaby and Company, Mr. Insull, myesif and Mr. Huey all started their life-work with you. We have built up a large and successful business of continually increasing size and bottomed upon the art which your labor gave to the world some thirty to be with you the lost day vears ago.

uary 2nd, 1922, and terminates the begins on Tameday Jun-uary 2nd, 1932, and terminates the bennut on the vern-ance of the state of the state of the state of the state of the University of the state of the state of the state of the state of the which the organization of H. M. Byllesby and Company Mas been in existence. It will be an enormous autistate the to all of our partners, including Insull and myself, if Yu could manage to be present with us for at least the closing day. If you could manage this it would be our very great privilege and pleasure, if you so desired, to bring you here and return you to New York in a private car, either the Directors' car of the Chicago, Milwaukee and Tuget Sound Railway or some other equally well equipped car, and we would also be delighted to arrange to have with you on the car such friends as you might desire to have. Personally, I should be delighted to make the trip with you and I have no doubt that Mr. Insull would be able and willing to do the game.

We always have prominent people at our banquets and there will be a number of the leading men of Chicago and the West, including railway presidents and altogether I am confident that if you could possibly spare the time you would enjoy the occasion and it would be a great favor to our organization, most of whom are made up of young men to whom you, your name and your work is a very great inspiration.

Please do not decline this without due considera-tion, and I will be very glad, if you can see your way clear to be here, to visit you at Orange to arrange the details.

We are hoping that Mr. Coffin will be here and if so I know that he would be delighted to come with you on the cur.

I believe that our organization in its wide extent and mureally of its operations in all classes of electricate each represents at least as good an assemblage of thoughtful, hard-working young men as any organization in the country, and I have no doubt that in years to come when you and the rent of un have finished your cureers that some of the young man of the primary of the property of t

On behalf of my organization I extend to you this invitation and add to it the very earnest good wishes of Insull, Huey and myeaff.

Very sincerely yours,

Mr. Thomas A. Rdison, Llewellyn Park, Orange. New Jersey.

November 28, 1911.

Mulos

The Madern Historic Records Association

INCORPORATORS
Dr. Geenge F. Kunz
Justice Victor J. Dovvling
Oswald Garrison Villard
A. B. Hepbaun
Mehille E. Stone
Gen. Thos. H. Hubbard
Dr. William Milligan Shane
Robert C. Ogden
John G. Agze
De, Mehill Dewey

Barrett David I Brainsed USA The National Arts Club, 14 Gramercy Park

New York City....November 29.1911

INCORPORATORS
Joseph Rowan
John DeWitt Warner
Herbert L. Bridgman
J. N. Larned
Dr. Smith Ely Jelliffe
Edward Hagaman Hall
Dr. Aspad G. Gerner
William T. Evens
Charles R. Lamb
George S. Johns
A. S. Van Westnum
Roger Fouter
W. T. Larned
E. M. Crawath

Thomas A. Edison Esq., Llewellyn Park, Orange, N. J. remodern grant a conto me a

Dear Mr. Edison: de La Laterdes hay nes resus argalasses I write to inquire whether you sould flavor

the Modern Historic Records Association with your presence at their meeting on Saturday December 9, at eight 2006 in people the evening, to be held at the Hational Arts 2011.

of this association whose object is to preserve permanent consideration, whose object is to preserve permanent consideration, the reserve permanent of the perm

We should be placed to have your views of the subject, and would like to know whether it would be convenient to your would be the venient to you would be the venient to you would be the venient to copy of which was sent you yesterday, will oxplain further circumstances. If you attended the meeting you could leave as early as ten o'clock if you wished.

Trusting you will find it feasible to grant our request, and appreciating your courtesy should you decide to attend, I remain, believe me,

Very sincerely yours,

Leonge Erling

Ywar gr

TATTACHMENT/ENCLOSURE

401 Fifth Ave., New York. November 29, 1911.

A. F. Miller Esq., Secretary to Thomas A. Edison Esq., The Laboratory, Llewellyn Park, Orange, N. J.

Dear Mr. Miller:

As per your courteous request, I am sending a letter to Mr. Edison, which I shall be pleased to have you present, and receive, possibly, a favorable answer from him. I may add that the present time marks an era in the preservation of historic records, and I am sure no industries more than those of Mr. Edison will profit to a greater extent if our present project materializes.

Thanking you for your courtesy I remain, believe me, Very sincerely yours,

George Filling

P. S. St. are ray anxious to Nove how Elison heep

start this is a more of

the pump hours.

Vlease read endosed fing.

TATTACHMENT/ENCLOSURE)

COPY.

November 28, 1911.

Mr. Thomas A. Edison, Llewellyn Park, Orange, H. J.

Dear Sir: -

By the muthersty of our Board of Directors, among whom is Dr. George P. Nums, with whom I am communicating on the onlighest, I wish to ask you if you will consent to the private exhibition or demonstration of some of the combination moving-picture and phonograph records your company has recently taken of Freedent Text. The demonstration desired would take place at the first moting of the Butler of the State of the Sta

In this connection I should like to sak you whether your recent invention thereby nicked plates that chaorb mithor's ink are substituted for the leaves of a book is sufficiently perfected to enable us to make use of it in any way. If so it would doubtless better serve our purpose for some of the recents we expect to take than any other material.

— As only about ten days will algase before the meeting I shall be greatly obliged to you if you will let me know at once if you can comply with our request.

Very truly yours,

(Signed) W. T. Larned

Secretary of the M. H. R. A.

NewYork Central & Hudson River R.R.Co.

Grand Contral Terminal,

George W.Killredge, Elief Engineer,

K-N

December 1st., 1911.

My dear Mr. Edison:

DEC 2- 911

The Technology Club of New York (The Massachussetts Institute of Technology of Boston, Mass.) is going to have a dinner on Saturday Evening, Jenuary 13th, at the Knickerbooker Hotel, New York City, and it would feel highly honored if it could have you as one of its guests of honor on that occasion. It would feel more honored still if you would consent to give a talk (not exceeding fifteen minutes) to the members of the Club upon such subject as you may elect.

Please do not feel that if you decline the latter invitation you must necessarily decline the former one. We should be delighted to have you our guest of honor even if you do not desire to speak to us.

We usually get about two hundred Alumni and former students of Technology together on occasions of this kind and we try to have one or more celebratics present.

Hoping that we will get a favorable reply from you, I

am,

very sincerely yours.

Hon. Thomas A. Edison,

Llewellvn Park, N. J.

[ATTACHMENT/ENCLOSURE]

My Dark
Jan 13 is a long way offtowardly Y can find time to
drop in face the bund of
"Mide Rulero" on data mentioned

H.M.Byllesby & Company

ENGINEERS 206 South La Salle Street

- HIGNED

December 6th. 1911.

Mr. Thomas A. Edison, Orange, New Jersey. 06 34- 011

Orange, New Jersey. My dear Mr. Edison:--

> I have your kind favor of December second and all of us are deal shots with the prespect of having you present to the standard to the prise of having you present to the we due to the pride of having present on this occasion, I can assure you of having a thoroughly endoyable time.

> Chicago has the reputation of having the most enjoyable occasions of this sort of any city in the Country and people are kind enough to say that our Annual Banquet is the most enjoyable of any.

It will be a great pleasure to me to bring you and return you in a private car if you would be willing. I have no doubt Mr. Coffin will be with you on the car unless he should happen to ome a day earlier, and any friends that you might care to have with you.

The trip on the ear would occupy probably six hours longer than on the Century or Pennsylvania Eighteen Hour train, and we would suggest that the ear leave New York on the Lackaraman to Duffalo and be shifted there to either the Michigan Central or Grand Tunk to Chicago, as this makes a very pleasant and easy trip.

II M DVILENBY & COMPANY

Sheet #2, Mr. Thomas A. Edison.

If not intruding I desire to include
Mrs. Edison in the invitation. I had the pleasure
of meeting her one of reception to you at Briar
Olification of the strength of the strength
and the strength of the str

If you can possibly arrange to make this trip you will be doing the industry which you created a wast amount of good. Nothing will occur distasteful to you or to bother you, and broadly, I can guarantee you the best possible time.

I would thank you to let me know as reasonably early as you om as in case you will avail yourself of the private oar I would take a certain sentimental pleasure in transporting you in our Directors' Car of the Puget Sound Road, and would require a few days to put the oar in commission and baye it ready.

Hoping you will favor us, I remain,

very truly yours,

нив/м.

My Commence of the Males

[ATTACHMENT/ENCLOSURE]

Mando enert Byllesky -If I can get through in one day and night, I will accept your Kind offer of the private car, & of I were to come along by myself Lwould come in regular car not having sunched the private car Stage of Travelling Get as my wife a dangteter descripto conte with me, the private car will suit the Combination, I hope We Coffin can go with its, Yweckign

Ychools

. NewYork: Central & Hudson River R.R.Co.

Grand Central Terminal,

Le w houre

December 8th., 1911.

My dear Mr. Edison:-

I am very glad to get your letter of the 7th

instant, and know that the "Slide Rulers" would give you a very cordial welcome if you can on January 13th find the time to drop in and see us at the Knickerbocker.

I shall take the liberty of reminding you of Yours very truly.

this fact again as the date of our dinner approaches.

Mr. Thomas A. Edison,

Orange, N. J.

& grants \

Dec. 11th, 1911

Er. H. M. Byllesby, 206 South La Salle Street, Chicago, Ill.

My Dear Bylleshy:-

Your favor of the 6th instant is received, and from the murmth of the invitation of yourself. Insull and associates. I feel constrained to Lay saids my work and be with you at the closing function of your convention. So, if I can get through in one day and a night, I will accept your kind offer of a private our.

If I were to go by mymalf I would go in a regular car, not having reached the private our stage of travelling. But as my wife and daughter have also consented to accept your courteous invitation, and will accompany me, the private car will suit the combination. I hope Mr. Coffin can go with me.

Yours very truly,

TAB/ES

THE THERE'S

WESTERN UNION THE BORAPH CO.

DATED -- Chicago, Ill. TO -- Thos. A. Edison, Orange, N.J.

We are arranging for private car Wisconsin to leave Jorsey City at nine forty Thursday morning January fourth to arrive Chicago eleven forty January fifth, and if entirely satisfactory to you and your ladies, we would suggest that the car leave Chicago on return Sunday morning, as we would all like

to have you here for the entire day Saturday as well as for the more formal things on Priday. Please answer.

H. M. Byllesby

Dec. 18th, 1911

Mulo

The American Society of Mechanical Engineers

Cutterstation No.29 West Thirty-ninth Street; Dynamic New York

The Kone to BOO Beauth

New York . 191 _ 191

Mr. Thomas A. Edison.

West Orange. H. J.

monr Er. Edison.

igo, H. J.

See H. J.

Fritz Autobiography has already been acknowledged.

of those friends of Mr. Fritz to whom it is his intention to send

a presentation copy, and as we find your name in this list we wish to inquire if you still desire the copy you have ordered.

If the copy which Sr. Fritz will personally pre-

sent to you is the only copy you need, then we will be pleased to

cancel your order and return your check.

OWR-PR-T

Cum Mare

THE Frends

Jecgram Dec. 19.1911

H. M. Byllesby 206 South La Salle St Chicago, St.

Your telegram received. In repey I will say all right.

Ecleson

14. U. Jel

Leve Dec 19 Wille

THE Truls

H.M. BYLLIGHBY & COMPANY, DESIGNATION, 218 LA HALLE BTREET,

FROE OF THE PRESIDEN

December Elst, 1911.

Mr. Thomas A. Edison, or Mr. W. H. Meadowcroft Orange, New Jersey.

Deer Sir: -

This will be presented by Er. Jim Hill, in charge of the private our "WISCOUSH!", who desires to see Er. Edison rollative to any details of Er. Edison a trip to Chicago and return on the our "WISCOUSHE."

Jim is thoroughly familiar with all the details of the trip and may be of sorvice as to the handling of baggage or any other matters which may require discretion.

Very sincorely yours,

Maludy

Pulso

NewYork Central Whatson River.R.R.Co

December 29th., 1911.

My dear Mr. Edison

It has occured to me that inasmuch as you have said that you would not speak to the assembled multitude when we have you as our guest at the Technology Club Banquet on January 13th at the Hotel Knickerbooker it would be an appropriate thing for you to do and a very taking thing with the boys if you could sometime between now and the 13th talk into a phonograph - say about two hundred words - and on the evening of the 13th have what you have said reproduced through the phonograph. Our Club will very gladly bear all expenses in connection with the engraving of the discs and anything else connected with such an arrangment.

Have I made myself clear, and can you not do Everyone of the boys to whom I have spoken has expressed this? himself as being very much pleased at the thought of seeing you at the Technology Club Banquet.

Yours very truly, Leave houseage

Mr. Thomas A. Edison.

Orange, N. J.

Edison General File Series 1911. Copyright [not selected] (E-11-34)

This folder contains a 28-page document, printed by the British House of Commons in July 1911, entitled "A Bill to Amend and Consolidate the Law Relating to Copyright."

Edison General File Series 1911, Deafness (E-11-35)

This folder contains correspondence relating to Edison's deafness and to devices for the hearing impaired. Included are requests for Edison's opinion of existing hearing aids, as well as inquiries concerning his plans to invent such a device. Most of the letters received no answer or a standard reply stating that Edison had discontinued his hearing aid experiments and that he expected to return to them in the future. The correspondents for 1911 include Joseph Byrne of New York, a physician studying the functions of the inner ear and its relationship to sea sickness.

A sample of less than 5 percent of the documents has been selected. Most of the selected items contain marginalia by Edison.

the ledinon surfer or have MONTHED VALLEMANNERAN St Pétershourg, Kleff, Rostoff s/D. et am 4/20/11 Bar Sir, I beg to excuse ming Lace the Ribert & to added muself to Natione that my hearing thereally that car ale marke voery wear x having con Anxio of whom nobody could help me, although stating that the ear-driving are allahely damaged shoeses I lost quite my hope of being buce Vable to hear well reain lot news saper, that howself having lost the hearing nour lears annall & invisible mon Lave Heard must well against Not being able to learn of x where I could ingenious membranes I beg to 63636

be so sained & to let me sonne agress much If those membranes carrier file est unwhere Vallow muself to be wow humble to be so good & to inform me what amounts hard to remit to now to obtain h of your branes for the eachs. Thanking now in auticidation for nour kind answer Gremain alar In yours respectfully

done.

OVERTON WALL PAPER & PAINT CO.

LOCAL DISTRIBUTERS

DEALERS IN WALL PAPER. WINDOW SHADES. ROOM MOULDINGS PAINTS AND

GT ASS

HYADOHABYERS FOR HOUSE LININGS ART MATERIALS. MACHINE OILS ALL KINDS OF DAINTS AND

OHE

5/1/*11. FLIGENE, OREGON.

B O BOX 121

Mr. Thomas Fdison.

ir. Thomas Fdison.
Wanhington,D.C.
Dear Sir. Thowing your inventive cenius has done much for the uplift of mankind will you permit me to ask you a few questiond, and home you will grant my request and answer the same.

I am only a poor mechanic and therefore am unable to engage the services of an expert space ialtist, in the way for Acaustic treatment is hearing.

I am guit hard or hearing and would give the world for some relief, as I find it handicape me much in my work.

In your opinion do you think that the hea ing can be regained by the aidso

r have investigated some electric find they would do pretty well, only ies wear out quickly-some as early dava.

Your much valued advice will be much appreciated, and hope you will tell me what would be best, or suggest some remedy.

Thanking you in advance for the answer, and hoping you will not think me asking to much,

I beg to be young sath Deverance,

FORM 91

MICHIGAN CENTRAL RAILROAD COMPANY.

DIVISION SUPERINTENDENT'S OFFICE

NEW YORK ENTRAL LINES

Jackson,

Dackbon, mich

W. H. O'KEEFE.

Distilon Superintendent.
D. J. HACKETT.

AHT DRIMM SHAMMING

Edian, Eled, Co

Coliera, Eles, Co Orange W. J.

Wen Sin In Sept. is of Popular Electricity an immuting

ty me Edin called the acoustythme was afoken of. Cam you give

to it from the

Ruf C. A. allright -July of Neft, Mich, Central R.R.

[ATTACHMENT/ENCLOSURE]

Suph 210-1911
m. 6 W Achright,
Jelegraph Depl
mich. Central R.R.
Jackeson, mich,
Dear Siri;
your favor of the 10 "
uniform is received - Replying
to same I by to say that
I do not know of the invention
I do not know of the invention you specify by the name mentioned. I may refer to the megaphone
Il may refer to the megaphone
W. Edwar invented many years
ago, or to a modification of the
same idea for deaf people, but
I do not know that either of
Man is being manufactured.
your very bul
Private Secretary.

CHARLES S. POWELL & CO.

GENERAL AGENTS

ARTHU CARRON LAND ASTRAL TUNGSTEN LAWS STRAL TONGSTER L

165 BROADWAY

EASTERN AGENTS

NEW YORK

aug 11/4

Hon. Thomas A. Edison.

Orange, N. J. Doon Sire

The undersigned, who has been partially deaf for fifteen years, has recently found one of the artificial hearing devices modeled on the principle of the telephone which has afforded some relief. The instrument, as well as all others of a similar nature, has the disadvantage of boing adapted only for conversation nauppe, has the almayantage of coing acapted only for convertation with one person, that is, where more than one person is engaged in the conversation or there is any unusual noise, the efficiency of the instrument becomes impaired. I have been told that this is a defect in the battery which the manufacturers of these instruments have as yet been unable to overcome.

You know by experience, Mr. Edison, the inconvenience and embarrassment to which people with imperfoot hearing are subjected, and it has been thought that if you would devote a short period of your valuable time to this matter you could easily overcome your valuable time to this matter you could easily overcome the existing defects and make a perfect hearing instrument of the surephone. By so doing you would inout the leasting restitute of a portion of the commantly who are now forced to miffer in cilence, are often miguaged and are always greatly hearidapped in whatever work they may be engaged in.

I trust you will pardon me a perfect stranger in addressing you as above, and anticipating the pleasure of hearing from you on this subject, I am,

Respectfully yours,

Arthur R. Perry

Elism TA - Denframe

New York City. nec.3th.1911.

To Mr Thos. A. Edison. wet orango.N.J.

near Sir:-

I have been for some time mast engaged in the experiment al study of the semicircular canals of the internal ear and their relation to seasickness. The conclusion reached by me is that the malady is in the first instance due to irritation of the sensory end organs of equilibrium situated within the internal ear.

It has been known for some time that deaf mutes and animals from which the internal ear has been removed are unsusceptible to seasickness and to artificial sickness induced by rotation and galvanism applied over the site of the semicircular canals.

Now, knowing that you have suffered from an ear affection I am curious to know:-

- (1) Whether you have ever been susceptible to seasickness: $\mathcal{M}o$
- (2) If so, when did you first discover that you were immune: (2)
- (3) And at what time of life your ear became first affected.

I feel that I am unwarrantably trespassing in asking such personal questions. But you will understand the spirit that prompts me.

Thanking you in advance, I am,

Yours Sincerely,

or Joseph Byrne. 29 West 61st St.. New York City.

Day I believe you before the suffery for the control of the sprittered to due with control of the sprittlevel to due with control of the sprittlevel

Dra Inord Our in/11/1 Hove not worked in the line, you speak of = you should Youry B. King. Cupulin. ya. Som m. Estimation and only with one and ordered with one and ordered with other with the way the other with the will so the with the will so The bam aconstit to of Jameson . I. E. his bun trying Intrust me in one of them motomeroffs, which they your on trial. It oums to me to with and ash is you have cons no primulat a cong them elmis. I would of course much rather put mysely in your hands Than in more of a possibly mine stortyming Joken. If you have ust, would it be importing too hand on your good notion to orke your opinion of the In Toable much of such an instrument? In case you have tot hums of it young in plant What it comists of a burning, a mi The munity of amounty has batting our a worth or now is a Newbork your vrung turky mr. This. R. Erson.

/ / Bug

New York City, nec.16th 1911.

To Mr Thos.A.Edison,

DEC 18 -11

I thank you for answering my questions.

It is very probable that your ear affection has had something to do with your not vomiting. The semicircular canals and the otolitric apparatus of the internal ear are in close relation with the romating centre.

In producing artificial seasickness by means of rotations and aural irrigations it was found that these procedures, when practiced with the subject lying on the back, did, and to sauce negocial or vomiting; but if the subject sat up or utood updimmediately after such procedures he usually became nauseated any partial state and other evidence points to the otoliths which are procedure into girls when the erect posture is assumed. The otoliths seem to act as a setting mechanism for the vaso-constrictor and vomiting centres.

The vomiting centre reported incoming (afferent) impulses from all the sensory areas of the body and from the psychic centres of the brain. The centre is however, most closely related to the gastro-intestinal tract and the internal ear so that the invulses coming in from either of these areas, if of sufficient intensity, can most readily cet the neusee and vomiting mechanism in action. Impulses coming in from any one of the related sensory areas reinforce those coming from other sensory areas. Hence when in sessickness the impulses from the somicircular canals have the vomiting centre on the verge of "going off" the presence of food in the stomach or such things as disagraeable sounds and odors or the sight of food etc may bring on vomiting.

It will be readily appreciated that the loss of function of the besicircular canals and otelitis would have a tendency to lessen succeptibility to vemiting. Some individuals acquire great voluntary control (subconscious) over the reflex mechanisms and this with rational habits as to diet may be a possible factor in your case.

By way of further inquiry I would expreciate it if you would answer the following questions: The converted fluor (1) Have you travelled or ridden on the sea before the age of ten? 1440

- (2) Here you ever been made dizzy or nauseated by swings, trains, blows, jers or other such disturbances ? NO, care
- (3) Is your ear trouble confined to one side exclusively ? both
- (4) As a boy did repid turning on your feet (pirouetting of dancers)
 make you dizzy or nauseated ? only dugzy
- (5) Do you think such turning would make you dizzy or nausested now ? WAS-

Again I find mycelf trespassing on your goodness.

Yours very truly,

J-Byrne

P.S.

You will find many interesting cases somewhat like your own recorded in my forthcoming book. I shall send you a copy (presentation) when it comes out in January.

Dr Joseph Byrne, 29 West 61st St., New York City.

aus Mrzl.

301 Boundary Ave., Macon, Ga. Dec. 20, 1911.

ar. Thos A. Edison.

There is a concern in my called the

Orange, N. J.

Dour Sir:

Dour Sir:

About forty years and I had a attack of bleerated sore throat or caturbal trouble commendent with an offensive dishirtyre from the left our rollowed by discharges through the nostriles, it was more than two years before the discharges were estopped; my senses of hearings, toward and smell have most seriously injuried.

Lave tried several kidness of the drums without being benefitted. I have tried several kidness of the drums without being benefitted.

I have trace severa Kagas or ear cross yaxous cells concrited
the lately my attention has been called to Aurophong-for hearing and Aurasque
for restoring the hearing, both manufactured by the later Ear Phone Co.,46
% 24th St., New York, both electrical devices. Thave tried, not used,
the Aurophone and I heard oute well with it. by you know any of these
articles? If you do, do you think they are reliable and would be beneficaul? Is there any thing you can recommend that will likely benefit me?

Hoping that I am not asking too much of you and thanking you in advance for your sourtesy which I will be glad to reciprocate when in my power. I remain.

Very truly.

2.04.60x



Mr. Thos. A. Edison,

Orange, N. J.

Edison General File Series 1911, Edison, T. A. (E-11-36)

This folder contains correspondence and other documents concerning this or life story, his response to be roneous newspaper reports about him, his opinions on a variety of subjects, and numerous other matters. Most of the letters are unsolicited, but there are also exchanges with friends and business associates along with letters pertaining to clubs, societies, and special events, including Edison's birthday. A few letters contain reminiscences of Edison's early career, including his days as a telegraph operator in Louisville. Among the correspondents for 1911 are author Poutlney Bigelow, General Electric president Charles A. Coffin; longtime Edison acquaintance Henry E. Dixey; steel industry pioneer John Fritz, engineer Robert T. Lozier, and attorney and investor Willard P. Reid. There is also an exchange with author Issac Markens in which Edison states his opinions about Jews.

Less than 10 percent of the documents have been selected. The following categories of documents have not been selected: unsolicited requests for donations, employment opportunities, and interviews; routine requests for biographical and other information, including Edison's advice and online.

Thomas a. Edin My My 1 Ovanne Vily-Draw Sis! I have read in the land four , wouther the solution and head of the de human attent anything come send before, expensely be de sefer-to-the solutions and her and solutions of the solutions of solution I now contemplate , a house in the South, and would the your aftern of a as to what city of gulf of Menion will benefit much by the Pomenta canali this for private and confilment we mily Rify with But leike to from thomas fre Reason Mad. J. Tokoued you that Halverlow or (One , for freezeling, or clark.) New Orleans - would be the Cities - 2

Ofcomer 2 "bort" Expsch Mr. E.

Le bord on think this of for mes.

I cam thinking that he liftly has
an openion formered to:

I wish the openion of an housel.

Man, If the Eding does whe
care to themon, perhaps he can
engesh another exhabit housels.

Man, that I may rask,

Resty

Mr. M.

aus 5/3/11

Requests

Most Worthy Mr. Edison:-

Some time ago you rendered help to persons recommended by Leo N. Tolstoi, who, I dare say, treated also me very well. I am interested in litterature and have translated some Russian tales in English. One I forwarded to you. is a conversation held between me and f. H. Tolstoi published with his permission.

If there is any possibility to publish my writings in America and if you could aid me in this request, I would be really very much obliged to you. If not, will you please return the copy printed and ubmitted to your attention. The copyright belong to me.

> Yours respectfully, Alexey Mochine

S. Petersburg, Pet. stor. Porchowskaya, 6/28, 6.

Return the Copy opay the the publishing Cusinism is so whole out to know what to de, & Kunfore ruleum the Miss-

[ATTACHMENT/ENCLOSURE]

Borevery barraeran Thoman Ducons! Men ushnower, amo Bos or eno sanama patomon, mygunin beeny wijey n 2mo ragidad Bama munyma Hars. yours. He uplacemes were garage u me, ume Kowa Nebr Thorowin ospamunes on Bank en aprocetous 14 granze en Plynz gransmount pyeclaum? nainme patomy, mo Bon canours spinsam a warry ux yumercanto la kcos. Topaco a sathan wer or coton. Tilaren bonor, la manage Aska THOSemore, was comme on us un burang u do users, formance & offarmysel K Band a sporeson - moure um aprempay we unepanypood parono, repetedennous na ananicació язана. Перевода шино уда отго. rent a wayahwez? menge, wond a use almipure upake, nounges now estylenneys. Pageragans spedmeeylyezt manerain sompalson obroil upo seems week or Nother Moneyand, naturazamore en en

[ATTACHMENT/ENCLOSURE]

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survey paperments upon neplo no 70-

3-17/1911.

Lozier Riti

Kountze Brothers, Bukers

P.S. Furman, Manager

Mr. Thos. A. Edison. Orange, H. J.

My dear Sir:-

You will probably be interested in knowing that I have lately become connected with the above firm.

118 T 1811

They would be glad to give careful consideration to such offerings of securities by well established public utility corporations that you may care to submit, or refer to them.

Relieve me to be.

RTL.

yours faithfully,

Rout Taginor

Pasto see that you have made to good a connection and so that the large bankers are converting up with Engueer to make it Easier for the latings to make it Easier by makes it Easier by probations to

A. J. WHIMBEY

LITHOGRAPHING AND PRINTING

43 St. Sacrament St.

JH 3- 211

SHOW CARDS.

MONTREAT. June 30th

(hm2/6/11

Thomas, A. Edison Esq.,

Orange, N.J.

Dear Sir:-

The originals of the enclosed letters are under my centrol and if they are of any value to you, you may obtain them by communicating with me. If they are of no interest to you kindly inform me within the next few days, and oblige, Yours Truly, Whimby

Hows no utered in the litters.

They were faked by somebody
the GTR never owned me any mon

Lalehford M 13 21
July 11/11 The says that Shr "Coburn o cornel maleonson him libertis to take the However he is puting it back I may bay it was in poor condition so be fixed it and gave it a cost of paint so be havet don't any your Trul harm

WILLARD P. REID CORTY WALL STREET HEW YORK

JUL 14 an

Mr. Thos. A. Edison.

Edison Laboratories.

Orange, N. J.

My dear Mr. Edison: -

I am booked on the "New York" to sail on the 22nd for the other side. I anticipate going direct to London, expecting to be there for a week or so. I shall be very glad if you will send me a letter of introduction to your people there or to any other friends.

I trust this hot weather has not caused you any ill effects and that your health continues good and robust. That battery you had made up last year is apparently as good as ever and has never been recharged; so that even though interested, I might recommend it to automobilists.

I notice the cement plant is shut down except on the shipping end. Is that from lack of orders or too large a quantity on hand?

With kindest regards, believe me

Yours very sincerely,

Willand P. Reid

Oct. 25.1911 (Malo)2)

Dear W. Edison. If you recall me one who gave a talk before your Literary Society many - many years ago; onl whom you next day initiated into myriads of omjeterles as we walked about your museum - then perhaps you will be annused by the enclosed from a Hindoo of Calcutta whose family I had the pleasure of knowing in India. He is studying applical Rectricity in this country and is very curious and eager for your opinion regarding this crafy tale. But this fairy tale like many another has an esoteric quality which is rarely absent from fables and parables that endure. In this case the folklore student of a thousand years hence-even

though our Patent Office be destroyed and every book and paper - year he will justly conclude from this one scrap alone that there was on earth a man who did wonders for his fellow man and his name was Edison. I have seen so much of this in my historical studies that this new example from India gives me but a very slight Hoping that this letter will reach you when you are in good health and possibly with a moment to spare. Believe me. Faithfully yours Louetney Sigelow

ATTACHMENT/ENCLOSURE

My dear My Bigelow.

I am gring to want to y and home the ingress of a solution of the so La company of the com one of our verncenter paper & I am translety ithular as literally as I can:

" On afternoon, at about 4 a'clock, a Sweet Amelodious music was heard in Mexico after a heavy thunderstorm. Soon after this a diving being Came down from the clouds tother early sitting in a chair of he stood up as Soon as the chair reached the ground. He was 20 feet tall, with a hig face a a hig nose - his hands reaching down to his knies his legs Somewhat like Those of horses this Complexing red. Plant People ran away no Loone Than they law This appear over lonly the Electrician Mr. Ession

[ATTACHMENT/ENCLOSURE]

Went forward to receive him Port they Coned at understand each other language. It the approach of evening When that being Law a particular plad planet, pointed his purger towards it \$ thirty gave to understand that he belonged to Wat planet. Estables were brought to him, but instead of eating Them, he only Smell & all the essence of the food (nutrino matter) disappeared leaving behind the residue or the useless matter Later on When the planet became brighter, he sew out from his pocket an apparatus Somewhat like a lamp of case a bright light on that planet of at the Same time a Limitar light fell on his lamp from that planet- By this method of Signalling, he has been Sending his news dail 6that planet. He is a wigard of Electricity Than Shown to my Edran lots of wonderpe Westrical Phenomena. Many people from Europele are going over to America to see him! I believe his Edrian is a friend of yours. Woned you please write to him, for my sake to enquire about the above occurances on the face of it, it seems to me to be absent. Bout augway I want to Know Met my Erson Hope you are both-doing will. with beech rigars.

[ATTACHMENT/ENCLOSURE]

The tale probably come

from our Multing Character

outlenian adighting

outlenian adiel, during

the Diaz Trouble when

our transpoon and present

the border

Edeson

Bethe down Pours Ar. Thomas A. Brisen West orange -Sew Geney (W) Dear Sin's at M. July request Same writing this. It wister to have whether you expect to attales the Unnual Banquet of the Sory of Noval Architects and Marine Enquiers at the Halderf - astrin on Sichag luring low 17. Skall permitting to nil wouldend the ting b try as he is systemal ampines to meet a co friends and associates of ware at this writing, becaused fortall his condition & Weeks house . he to no longer us allowly uchi, limite as lewas 2 syoner yeinger, a mound 84 hartly use is . His appet the for a tack byon is very them awill sould be a most delightful animodewed if attendance at the function refered to a mething and take flast. Mito wantes regards for All The Lemin with acrperts Quesul Hours , Abraham Sohropk Say M. E. water To attend best in Case he chose mot he repects to " ome to Rellishing otherety course care or ace we frit CI Hand

Nov. 8-1911.

Having he son of from

Arymond the son of commer

Arymond the has also great

And the has and clerk for the too the too the from the great time to

Come up there we as I

Thank I'can put hum in

The way of working some

money

Mr Seymon is out of town will action in a week. Keft message for him.

garn

62 Beauer Street

NEW YORK DOLLOW AND 10 19 1'

Mor Thing of St I down
Dear Su Labora NJ

Dear Su Law Boung Mary

Was a Color Boung Steet

from my pein!

A broken druch and the pow?

By trust, sending anto mills

at you by the grant of me will

at you have fully

Jaac Markens

[ATTACHMENT/ENCLOSURE]

Ed-Hand Would Isaac Marken My Dran Sin -- your pauph cot at hand and I have seed it with interest, The years we containly a recuberkable pe aple as strange to me in their portation from all the people to form salled gypen. DouceTerristic Framples" u merchantela promits, the moment for anto cout, hereca, & science de deteratives the jew to fine mademy Monay The travele will the that he has been porse and ol. for kenturies by ignorant malegnant Eigott & forced into

present characteries

and he has acquered a 6th out of meaning judgement en trade afforer -Having this walteral ordinatage over his fellows he has Taken Too queat an advantage of the vi distribed by many as I waw in. Europeno M believe Hart in iduarion Worker he is not the for fire that in time he will cedecto be so clammed, anot carry to such Extremes his natural advantages 9 with you this as I can see from the love of your 600k (hal you are trying to uphated the honor of the gewish ruce,

Ywicesign ?

--- 7-0-1s

ww.21,1911

c.a. coffin

Railroad club.
Room *10-30 church street.

If possible will come to Lunch

of ferrance and

Colison

w. w. Titegraph co.

5 P.m

Lis Cal POSTALTELEGRAPH



New York Nov 25-1911 T. A. Edison . Orange MJ.

I am going out of town on monday and its important should know your mind in the matter you spoke of best regards

Emorandum—

If the Nintteenth Century Wase Man of the Mart Industry
has time for a little bit of sentiment—the attached contained may be interesting to the wire was a "mare" to perator in the Louisville office—the same having been copied from the original now in possession of the them Book-keeper, W.O.B. Moderty, recently retired.

(Niss) Frances L. Calveard,
Hanager's Office,
W.U. Telegraph Co.
Louisville, Ky.

November 25/ 1911

[ATTACHMENT/ENCLOSURE]

THE LANG STRE -- Just forty-five years ago.

Rester of Western Union Telegraph Company at Louisville Ky. ---- Hevember 1246

Hanager	150	00			MOV 22 9/1
A.Bllison, Chief Operator	150				19/1
E.Morris , Asst. Chf .Opr .	125	00			'/
W.Lewis Operator	125				
W.B. Somerwille Operator	110				
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	120		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
3.5.Carton	115				
A.E.Eggleston	110				
G.H. Curties					
	110				
S.L. Griffin	110	00			
THOS.A. HDISON "	110	00			
W.DeBree	125	00			
S.P.Penbody	110				
	110				
D.A.Legen	110				
Sem Stevenson	100				
J.B.Erringer "	100	00			
W. O. B. McCarty Bkpr*	90	00			
Tom. W. Macielian , Asst. Bkpr	40	00			
C.S.Meguire Reog.Clerk	90	00			
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Geo.H.Todd, Asst.Del. Clask		õõ		,	
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A.Potter, Messenger		40			
W.Parker	7	40			
Willen	17	00			
Landram Geo.	37	45			
Walker		35			
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Lapake to our people about you yealarday - Commat do anything until our Mr Dyer returns next week queme your address so Year Communicate with 1). Justino

ROBERT T. LOZIER

 $(h_{r_0}^{\prime})^{\prime}$

120 BROADWAY

December 26, 1911.

Mr. Henry Miller,

c/o Thomas A. Edison,

Orange, New Jersey.

My dear Mr. Miller:

I have just returned from a long absence in the West and am now busily arranging for Mr. Edison's birthday dinner.

about the matter, He will be in Runne I meall a will endeavor to arrange to attend the dimmer, which he is sey anxious to do. He does not think it will be in Super anxious to do. He does not think it will be possible for him to get back by February Jove but he will be the lite likely be not the American Institute of Received I the American Institute of Received Received February Super Su

ask Mr. Doer what his hotel will charge us per cover for the dinner? We want to knee oyselva, ear to the dinner of the dinner of the dinner of the dinner of the district of the critical district of the dist

I will telephone you to-morrow afternoon at 2:30 and in case you are not in your office, will you be good enough to leave word what you have been able to arrange in regard to the foregoing.

Thanking you very much for your kind co-operation, and with best wishes for a HappyNew Year, believe me to be,

ours very truly,

Jaka Ulsikara

ROBERT T. LOZIER

120 BROADWAY

December 30, 1911.

Mr. Henry A. Miller,

c/o Thomas A. Edison,

Orange, N. J.

My dear Mr. Miller:

I thank you very much for your advices, and please tell Mr. Edison that I have called the dinner for February 10th, 1912, and that we will meet him in the laboratory in the afternoon, provided the weather permits. If not, we will go direct to the Hotel. I will get in touch with Mr. Dyer as soon as I find out how many guests we expect to have.

With best wishes for the New Year, believe me

to be.

Vours very truly.

R

Edison General File Series 1911. Edison Crushing Roll Company [not selected] (E-11-37)

This folder contains correspondence and other documents relating to the business of the Edison Crushing Roll Co., which licensed and installed Edison's crushing rolls and collected royalties for their use. Included are reports pertaining to the operations and output of licensees, along with correspondence concerning the collection of royalties.

Edison General File Series 1911. Edison Star [not selected] (E-11-38)

This folder contains unsolicited correspondence relating to the myth that Edison was responsible for a bright light appearing in the sky above Menlo Park, N.J. Edison denied responsibility and stated that the light was the planet Venus.

Edison General File Series 1911, Education (E-11-39)

This folder contains correspondence and other documents concerning Edison's opinion on technical education. Most of the letters are unsolicited inquires regarding newspaper reports about Edison and requests for advice about appropriate training for technical careers.

Approximately 20 percent of the documents have been selected. The unselected items consist of routine inquiries with no substantive reply from Edison.

ar to ceam Edelical work. If not, with you Mr Thomas place refer me to Kelar Lin N a ford & section les I am School .. of intering a Which wold you Electrical School advise me to do? land work I wall like your advice an Aho or Phetical Grange election of a I would be very school, Ha you whink thankful to receive His Electrical advice on when white, som. I am do out at Mashington W. C. in any up yours very traly. to date school to Forest Guadleson learn & actival Entimetring? .

Schools C. VASBINDER Thomas a. Edison. Quanto M. J. Wells Cear Sir, W Us Iwrote you some time Jago about what school would be the best to attend to get a good Technical Education, I would still appreciate your advice as I am very much interested in your work, and am Tuying my best to follow the same profession that you have so well accomplished. Hoping to chear from you mme a dately, with sufficent advice Tremain,



CONTROL T T. OFF STOP OF

Thursday, Dec. 7, 1011.

OPPOSES EDISON'S OPINION ON COLLEGES FOR ENGINEERS

Dean Graham Saye Maz Not Likely to Be Any Worse for Education

NOT AT UNIVERSITY

FOR SOCIAL COURSE Students There, He Saus, for Training That Helps Them

in Business. Assists Deep W. P. Graham of the L.

Acting Dean W. P. Granam of the L. C. Smith College of Applies Science, and Syracuse University, takes issue with the declaration of Thomas A. Edison, noted declaration of Thomas A. Edison, noted investor, that "cooling training is all right for largers and literary persons, but not for inspinents."

"I think that law, Edison does not libration to the properties of the rank and its of the engineering profession are produced on the rank and its of the engineering profession are produced on the rank and the results of the results of the results of the rank and the results of the res

the third many similar collection descattlent. The older the angilner; the more tilbely he is to itck chokol training. The third collection of the collectio

minimum and the service of an appropriate the complete of the engineering education.

What an Engineer Is.



PROF. W. P. GRAHAM (Acting dean of L. C. Smith College of Applied Science, who upholds, sgained Thomas A. Edison, college training for

TATTACHMENT/ENCLOSURE

Wesdoender

Jell hum boe must have seen ouly de part of the utterprised, to Colleger like yals Harroard of Primitor of Especially brought out the Eucommon a during of technical vokes? Itselhe Bearton

Schools The National Bederation of Musical Clubs Docom her 2914 1911 My Thomas a. Edison new Work. My dear Mr Edison: -I am deeply interested in doing the best Thing possible for my some educationa very unusual taleur and devotion in work along the lines of Electricates a subject which I believe you claim is yet in its infancy se far as its possibilitée are concerned This lad is just entering sligh Ochool, is finely developed physically and mentally and morally, is very ambitions - and has a most honorable and manly disposition Is not afraid of work in fact is devoted to it -He lar marks of success are rather limited - and yet want to do the very le for him lowards helping to prepare

The National Rederation of Musical Clubs

for the line of work for which he marked talent most Is there a place where he could have practical experience in this work under right quidance, receiding con honorable mechodo ce - and the same time a High School Course or would you suggest the completion of the Bligh Cohool Course first Hid know is exacted in most technical Ochools In entrance. If he could only have the intered of some person who would give him the practical work I am one he would prove a most satisfactory underdied a protege and make's good for there is not a lappline in this prature. Please kindly advice me if you can any thing that might de practical.

Russell is fifteen years of age

The National Federation of Musical Clubs

Pres Tree Ingeligation of the Design Press (Tree Ingeligation of Tree Ingeligation of Ingeligation of Ingeligation of Ingeligation of Ingelia Ingeligation of Ingeligation

I wanted to say that you picture adoma Russelli work beach, and you are his idal-are you are for orders all over the world of course, but I am cure you have no more loyal devotion that Muselle who himself is the important male the boys in took I am give excellent recommendations is decired.

IATTACHMENT/ENCLOSURE

Should funch high school
Course a them go to
Wass Furthers of
Technology of you can offen
it my cory of at that
institution it is the best in the US, = If you cannot offen a get him with the aget him a get him a get

Edison General File Series 1911, Electric Light (E-11-40)

This folder contains correspondence and other documents relating to electric lighting and power. Some of the items pertain to the technical and commercial development of Edison's alkaline storage battery, including its application as a power source for miners' lamps and its use in Edison's proposed "Country House Lighting System." There is also correspondence with Charles H. Coffin. Charles P. Steinmetz, and others that illustrates Edison's continuing involvement with the General Electric Co. Included are references to GE Edison Mazda lamps, visits by company officials to Edison's laboratory in West Orange, and the problems of high voltage electrical illumination. In addition, there are letters dealing with public relations at various electric light and power companies, along with reminiscences of Edison's early inventive work on electric lighting systems. The correspondents include longtime Edison associates Sigmund Bergmann, Etienne de Fodor. Samuel Insull, and Thomas Commerford Martin: author and dramatist Percy W. MacKave: and representatives of the Philadelphia & Reading Coal and Iron Co

Approximately 50 percent of the documents have been selected. The following categories of documents have not been selected: unsolicited promotional material; routine correspondence requesting Edison's advice, assistance, or attention on technical and commercial matters concerning electric light and its development.

is an a moving picture opatar for y years and i heard a long time ago if any man tookther inside twee of a elictric light bulb out without braking the but it was a reward on it so i took the inside tube out without braking the best or title it is my own head works alone so if you wish to see it if you will pay the postage i will send it if you say so as soom as there from you amoun as soom as you cam i an waiting to here from you about it is broad bundred of people tryed it and said it could not be don without braking the let but i have

No ?.

den it let me senow of you want to see it answer soons

you truly

M. Dharles H. Rosinitane

331 Congress street

They

P. J.

Steumetz Schenectary. n. 4 J. a. Edison -: Jr, many thanks Did not know Steinmetz had made request E. M. Rice Ju. Postal Telegraph - Rable B. . Paid.

Stemmety

GENERAL ELECTRIC COMPANY

PRINCIPAL OFFICE
SCHENECTADY, N. Y.

In Reply Refer to:

January 21, 1911.

Mr. W. H. Meadowcroft.

Orange, N.J.

My dear Mr. Meadowcroft:

When visiting Mr. Edison recently, Messrs. E.W.Rice. C. W. Stone and myself asked his advice and assistance in the problem of high voltage electrical insulation, and Mr. Edison kindly offered us. that we should send a man to his laboratory, who is familiar with the problem and could, with his assistance, atudy and try the various materials, with which Mr. Edison has experimented. Mr. Rice and myself believe that Mr. A. McK. Gifford. the chemist of our Pittsfield Works, would be best suited for this investigation, and I therefore desire to introduce Mr. Gifford to you, and should be much obliged for any assistance, which you can give him. I also desire to introduce my assistant, Mr. J.L.R. Hayden, who accompanies him. Mr. Hayden has been largely instrumental in developing the constant current mercury arc rectifier, which now is largely used in series are circuits, and knowing your extensive experience with high vacua, from the early days of the X-rays, I expect you will have numerous interesting problems to discuss.

With very best regards,

Yours.

CPS-SW

Charles P. Steinmetz

5 temmela

CHARLES D STEINMENT A M DN D WENDELL AVENUE BOHENEGTADY NY

Mr. Thomas A. Edison, Orange, New Jersey.

My dear Mr. Edison:

My assistant Mr. Havden has just returned from your laboratory and reported to me, and I desire to take this occasion to express my best thanks for the kind reception which you have given him and Mr. Gifford.

I expect to have Mr. Gifford return end of this week, and then to test the materials with high voltage alternating current. In connection herewith. I would suggest, whether you could not spare Mr. Aylsworth for a day or so, as it would probably be good to have him present at the testing of the materials.

With very best regards.

Yours.

CPS-SW

Charles P. Steinmet.

IDEAS AND SUGGESTIONS

February March 1st, 1911.

Mr. Thomas A. Edison, Orange, N. J.

Dear Mr. Rdison .-

Bureau of Steam Engineering, a portable lantern which is used in considerable quantity by the Navy Department. It has an alkell battery using mickle and iron in potan solution. It is called the Hubbell Lamp, rade by Portale Safety Might Company, Newark, N. J. The entire apparatus soils for Theory Dollars (\$20.00).

squire rubbe jars, which are in turn held in a cast nickle case with cover societed by thumb screws on the front lare are two lamps side by side; incased in a tube of the front lare are two lamps side by side; incased in a tube of the societies of the secured of rote secured of the secured of rote secured of the secured

The entire outfit weighs about six pounds.

I could not see the construction of the plates very well, but found the positive to be composed of perforated steel sheet container about 3/16" thick. It is separated from the from plated by rubber rods, the same as we use.

I understand a good many of them are being sold to minesetc. in addition to the Navy.

While I knew you would not be interested in producing such a lump, I thought you might care to know that such a cell is being made.

The principle weight of the outfit is the containing case or box for holding the cells, lamps etc.

Sincereby.

11.10

THE EDISON ELECTRIC ILLUMINATING CO.
OF BOSTON.
General Offices. 39 Boylston Street.

Boston, Mass., Matobell, 1911

Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:-

In writing up the history of the Euleon Company of Boston for our 25th Anniversary Souvenir there was some question brought up as to the exact equipment of our first station which

started on February 20, 1886.

We thought possibly you would remember the details of this, and we would be very greatly indebted to you if you

would send us your remembrance as to the types of dynamos, engines, boilers, etc., which were in operation at that time. We shall take uleasure in sending you a copy of this

number as soon as we have corrected same.

Yours very truly.

THE EDISON MIEC. MIN. CO. OF BOSTON

Bv

rsm/ejm

Say - I am now building several damps supplied with Courted from my new of rive year Rhode Island Coal Company by account the Gettings of Coal Confair and account the Gettings of City Recomp Coal of Front last a things of City Recomp Coal of Front Hiners LAMPS (hur 5/3/11 people and going to text them preceded that builty people of them 14 19/1 Cast alange, 1 gr It seems when we moutals ucognize unusual divelopment in others we are apt to Cean heaven upon his abilities to help us dut of our The wish is no exception to Two, but in the case he niches to bring to your notice, he has been persistently expirintingwith, cell which woulded in flat falue, and con-Jam a mining engine recently employed by the Company whose sationary one and punch constructed by the Suntoy Coal Or of that city, having from trong and main then and in furmance of my propersion, were desired a great that of my hore to securify emining with the sest of my class with the usult that mining has dealiged into quite a science which the impending showtage of coal demands. we have exporms of mining by which every pound of ord with that fasins san con avy the commonwealth has its inpresentation on the ground to in sure inforcement of the laws to safe guard the hirs of specatives; but in here approach to perfection they leave behind one impartant factor. The most impartant of all

Rhode Island Coal Company.

Portsmouth, R. L. The question of light which has not advanced byond the Soul smoke implies oil tuck that my grandfather med and which savies so many miners to an early many with the duaded athoma not only does it till the miner but it in your operation so a great extentespecially in the thin veins white we have to want to in when to seep up the ocations into high with fue air intuing and consucked it the extra of many Ahresand en ft for minut and fating up that un considered carbon of severy a with sucher (the fish air is split so to allow no more than that number or each aplies his is us mid by law) and you see a din hige most fished so my mint san be weeted. This state of affairs has not existed without consideration of and able Inter as Bollwing Co of burgage a Com forther They have an according man rement of not very peached to earl min Alty you couldn't zing them to evaloring because when the lamp is carried on the head it is ontient to golds and shocks which sither the fine ask on the gas fifte and in a short time becomes coulded, while more of it leaks Through and block The Any mapper when ignition on takes place, then unless a pries of the friest me to generally the lamp is wellow,

Rhode Island Coal Company.

Portsmouth, R. I.,

concussions such as slow exchanguish it and when

uchanging the lamp you are in total clarines

there are the chap of jich on, which show that the lamp was

emailed from a financial first, eight foot on the majort

of see being perpetul that his subject suborgour report

I cansestly appeal to your for the support of your years

of upstrence in the mast or and will gladly furnish

you with lamps tredus, major as any infamation to being

about this long filt for and caping near

9. 6

GENERAL ELECTRIC COMPANY

SCHENECTADY, N. Y.

In Realy Refer to

New York Office, 30 Church Street

Mr. Thomas A. Edison.

Orange, N. J.

EEC 10 3 .

My dear Mr. Edison:-

I have been hoping to get out to Orange and see you, which I have long wanted to do, but every day brings a crowd of duties, which has kept me in New York. The day after tomorrow I go South with my femily for a short time with the hope of restoring to health my wife and daughter, who have been quite ill.

I wanted to talk with you about incandescent lamps and particularly to explain that without my knowledge and altogether through inadvertence the name "Edison" had been omitted in propering the labels for the new tungsten lamp for which we have adopted the trade name "MAZDA". I was greatly surprised upon discovering this error. The omission will be immediately corrected, if you do not object. We want your name associated with our incandescent lamps of whatever style or name, and want to arrange to change all our labels and markings on the "MAZDA" lamps so that your name will hereafter be associated with this type as well as with all others of our manufacture.

I hope you are well and are not working too unwisely. I have been sorry to hear that there is a doubt about your geting your usual trip South this year.

With best wishes,

Very cordially yours,

CAC/SJS.

. The Philadelphia & Reading Coal and Iron Company

Electrical Department

March 30, 1911.

our now acrialmely at baboralmy as battering of deflated.

Rend for the purpose of the property of the formation of the purpose of the purpos

Gentlement - We would be died by de out of the will you kindly advise me if you are in a posi-

tion to make up a case storage anothery for use in donmection with a miners' electric lamp, in coal mines? We are at present using a small lead hattery, which gives us two (2) candle power, at a voltage ranging from two (2) to 2,2 volts. Battery being a single cell.

We feel that if we could get a small storage cell to give us a three (3) or fout (4) candle power light. It would greatly add to the efficiency and safety of the miners. The battery should be capable or supplying a lamp with full candle power for 12 hours to insure full light for complete days run. The battery should not weight ever 2-1/2 to 3 pounds. The battery should be made water proof to prevent electrolyte from running out when tipped to any angle by the miner when working.

3-30-11.

The Raison 5 B Co.,

The Battery to be arranged that it could be carried on the hip of the miner by his belt. It should also be constructed mechanically that it will stabd a reamonable amount of knocking around without damaging. whe battery terminals should be arranged to permit of easy attackment and detachment of the wire terminals leading to the lamp; also in case of charging.

Will you kindly advise me your views for making up such a battery, and oblige,

Yours truly,

Danny.
Riccrical Engineer.

The Philadelphia & Reading Coal and Iron Company

April 11. 1911.

Lina & Reading Coal a Portsville, PA. wow. Whisen's Winers! Lamp Outfits.

Mr. Tos. 4, Maison,

Aligon Laboratory.

Dear Sirte

Red and Med at the 3 go roods: or to that I bos to assembledge receipt of your flow as well at any note that you letter dated April 6th and note that you are now constructing at your laboratory various kinds of hatteries with lamp for the purpose of exploration had been permentiaged as breaking perimenting in a practical manner to dote mains what is to best suited to

movement in a bractical manner to dote mains what is best suited to meet the requirements of a minoral lamp.

We shall be very order

in trying out in the mines any experiment you request of us as I am of the opinion that an electric light is the safesst light we can put into the hands of any man or boy working underground.

It will eliminate the smoke of the open oil lamp they now breathe,

It will doubtless climinate a great number of fires now caused by the open flume lame.

It will oliminate the small gos ignitions which are the cause of so many miners being burned!

Considering the advances under in the lighting art in the way of illustration on the surface, and practically nothing done to advance the mineral sump where it is really needed There is no doubt in my mind but what there is a large field for such an Madyric Lamp Outfit.

I programs you are familiar with the manner in which the minor wears his lamp in that it is secured to his cap

We have been conducting none experiments with a lead bettery on a 2 cfp. lamp at 2 yolts, and have now in use a few hundred, but 2 cp. is hardly sufficient light.

The manner in which we are now using the outfit is as follows:-

Mr. T. A. E. --3-- 4-11-11.

The battery is carried on the miners belt around the unist, and the lamp and reflector is attached to the miners cap, a flexible cord makes the connection between the lamp and battery.

Juil await your results with mach interest, trusting you will have containing to offer in the near future, and any information you desire from us please command.

Yours very truly,

2 Hennis

Electrical Engineer.

JŢJ:J:S.

Miners Laure

Lile Small lamps

The Philadelphia & Reading Coal & Iron Company.

Office of Vice President & General Manager.

Pottsville, Pa. April 14th, 1911.

Mr. Thomas A. Edison.

I have 3 men at work Experimency reville (1114/20/11

Orange, New Jersey.

Yours of the 8th Instant to Mr. J. T. Jennings. Hy dear Sir:-

al Engineer of this Company, received us function I am very much pleased to have advice. as per your let-

ter, that you are working on batteries and lamps suitable for the work we have in hand. We have now about 200 lamps in use in our mines and feel that if it will be possible to so perfect & battery and lamp that it will come into general use in the coal (mines, displacing what is now known as the "naked" light. The ones we have in service, though crude, are being received well by the man. and we are intensely interested in having the lamps thoroughly developed and put on such a plane that they can be permanently used in the mines.

Appreciating very much your interest in this matter, and awaiting further advice, I am

Yours truly.

Mulous

Vice President & General Manager.

GENERAL ELECTRIC COMPANY TAMP WORKS

In Deals Refer to

Mr. Thomas A. Edison.

W. Orange, N. J. Deer Sir:-

May 3, 1, 1911.

When I visited your laboratory last week in company with Mr. Morrison and Mr. VonSiemens, you asked me to make bome I have made up a few samples which 1.2 volts tungsten lamps. look rather interesting and am making up some more of the off a little higher candle power and amneres.

Will you please advise me what ampore lamp you would like to use on your battery and we will make up other samples if the ones which I have begun are not according to your wishes.

I will have some samples in two days and will bring them to your laboratory. If you do not wish to see these lamps porsonally, will you please advise me with whom I shall take this mettor up.

I beg to remain,

WRB/S

Elilt - Hestora

. DTUILD WILLIAMS ARIHUR WILLIAMS

am 5/23/11

Thomas A Exison Eng pare the role of the Color of the Col

behind the Company at the beginning. I believe they include J Pierpont Morgan & Company, Spencer Track & Company, Henry Villard, P S Smithers & Company and perhaps some others.

You, of course, are the best authority on this subject. Would it be possible to prepare a short statement, if you will permit, appearing over your own name, as an introduction to material that will follow?

"s are expecting a record-breaking attendonce, of perhaps 4000 or 5000 delegates. Cantyou come over for the Public Policy meeting, which will be held in the New Theatre on Wednesday evening, May 31st. Mr Insull is to present the report and the Hon Charles Regel, Secretary of Commerce and Labor, is to make the principal address, representing President Taft. In any event I shall reserve a box in the hope that you will be there. It is the kind of occasion which I think Mrs Edison would also greatly enjoy.

A copy of the report is enclosed.

Sincerely yours

Antur Villiams

Enclosure

Fodor Etienne de

Budapester Allgemeine Elektrizitäts Aktiengesellschaft:

Telegramm-Adresso: EGYENÁRAM.

Budapest, May 19th 1911

Mr. Thomas A. Edison,

Edison Laboratory,

East Orange, N.J.

JUN 11- 1911

My dear Mr.Edison:-

As an old Edison man that assisted Mr. Bachelor at the Paris Exhibition in 1881, and as an engineer that was connected with the French Edison Co.for 15 years, doing its pioneer work, and who laid down the first Edison three-wire system in Europs, as such - I take pleasure in sending you under seperate registered cover a copy of my latest work which has just appeared, and which treats upon Refuse Destruction in combination with central stations.

Trusting that this letter reaches you enjoying

good health, I remain,

Yours very truly

Elienne de Fodor

- A STATE OF THE PARTY OF THE P

[ATTACHMENT/ENCLOSURE]

[ATTACHMENT/ENCLOSURE]

The Poster Leggl Cringe a report of a fallife hanguar of the Expeditional also in honor of carol consight stepsen is Booker, of the coast consight stepsen is Booker, of the coast consight for some the coast consight for the stepsen the consistency of the 30-th stepsen the coast of the stepsen that the coast of the stepsen is the coast of the coast of the stepsen than the coast of the stepsen that the stepsen is not the stepsen the stepsen that the stepsen the stepsen that the stepsen the stepsen that the stepsen that stepsen the stepsen that the stepsen that the stepsen the stepsen that the stepsen the stepsen that the stepsen the stepsen that the stepsen that the stepsen the stepsen that the stepsen the stepsen that the stepsen the stepsen that the stepsen the

Hyon & come of come of the state of the stat

Orange, New Jersey.

My dear Edison:-

Your letter of the 13th came to hand whilst I was leid up a week in bed. I will be in New York next week to attend the National Electric Light Convention. If I get a chance to go out to see you during my stay there, I will be delighted to do so, and will telephone out to see if you are home.

> Yours sincerely. Lanuel Justice (

, n 39

Jam of Deeler Stonew VG. I brught Jun Gen! M.S. Perry coho was then Mationes at Goremore Seland two Mares of the Edison Electric Fisht Cs of Europe, Limited, paying

him's part for the same. The conficted of stock was lest, and I have feel found it invents sond also prefers. I see that RL letting to was decement own you was decident cley of pot in conting is to ascertain of more has any value?

James stanfed modern for right, "Journal especial HAMPleamed.

Colf \$109. If warne the Cong.



clubs

· NY 93 X

FA New York June 1-1911

Thos A Edison, Esq Maion haboratory

As the greatest possible favor and kindness to me and the five
thousand people at our control of will you not come over at lunch
that and be with us at two distillations of this attempoon for just ten
minutes it will do use distillation coffin is coming and
insulia and all your aid boys ask it of you if only to see how
the lump you made is our bright touch of progress for the whole art. Wire
me "Yes " and hour of trains that we can look out for you.

T C Martin. Raison Laboratory

IOO4AM

	AL ILLEGIO		CHECK	
TIME FILED . Ed (7)		EGR	ΔM	
In the back of Co. Se	garan ng kagana na ita	promote message control to	ing terms and conditions printed	<u> </u>
9-1624 Send the following message, 1	without reposiing, subject to	DESIGN PATENT NO. 40629 the terms and conditions pr	inted on the back hereof, wi	lob are hereby nareed to.
ro y C Ma			ei. 200 Orange In St., Orange, No fe	June 101
·	29 77- 30	gt St Mi	h	
Will	"leave"	Orang	on	leglet :
Marile	altra	ous.	tran	Lachawam

TELECRAPH - COMMERCIAL CABLES

Andrews, w.S. Schenectady My. Thos. a. Edison Can I see you on business matter for General Electric les Friday or Saturday If not soull you kindly name larliest date Convenient MS Andrews_

m/2/11

W. S. Sudrews

Go Skurras Electric bo
Schenectaly ny.

Mill see you Friday

Thos. a

New Man rapers of a light weight battery of yours. Some years ago of approached you with a view of inducino you to make a mine langh of your you declined. I am now selling a lead battury with gelatinaus decholite as a mine lamp but have no confidence in it; I write to ask I you would now enter into the mone lauf Jas is increasing in all the mines > There is a good definand for an electric lauf both here & in England! It must not weigh more than 5 lbs 4 should run a 2 volt . 75, compere tringsten lamp for 12 hours. sich a lauf d'ean get \$10 4 can

avon as it is tested sell at least 5000 per aunt another sales man could sell a semilar number.

If you are open to make up we more lawly blood well well of take the matter over with you of can give you very represent you may desire of have been in the beauties know the mine desperintendul personally youspuly

Youspul

27 Thames Al New York Thomas a Edwary Es, Dear Si of the 12" ins. Of you othered wish to see the land of an selling, I can come to crange any day this much before the 294 when Greturn to Perma Mulue No Carry

POST OFFICE: WINDSOR.VERMONT,

14 .mlv. 1911.

Thomas Edison Esq.

West Orange, NewJersey.

Wy dear Mr. Edison:

I am writing a brief memoir of my father, the late steele Mackaye, for publication.

In it I wish to touch upon his inventions.

Prom my friend oriendo Rouland, the portrait painter, I have beard that, while examining the mechanical processes of the lighting effects [beind the scenes] at the Hippdormem, NewYork, you commented upon those in relation to the theatrical inventions of total MonKays.

Your comments - if you would feel like sending them to me Briefly in a letter - would be very valuable to his memory, and would be heartily otherished by all his family.

Many of the Hippodrome processes for light-effects were taken directly from the working model of my father's Spectatorium in Ohloago, after the premature failure of that enterprise and my father's death.

No recognition of this has ever been made.

The tragic catastrophes of his career have left its important significances quite unrecorded until now. In my Memoir, I shall try to give some record of such, though tardy and scane, in justice to his memory.

If you will kindly send me any comment of yours upon his inventions, or inventive faculty [with permission to quote for my Memoir], I shall deeply appreciate your courtesy.

· sincerely yours -

Percy Brackage

L - Companies

THE EDISON ELECTRIC ILLUMINATING CO.

OFFICE OF THE PRESIDENT, 70 STATE STREET. JUL 18 311

CHARLES L EDGAR, PRESIDENT

Boston. July 17, 1911,

Thomas A. Edison, Esq.,

Orange, N. J.

Wy dear Mr. Edison.-

I am in receipt of your letter of the 15th and have taken occasion to cable Mr. Muller that you are going over. I hope that you will look him up. as I think your interests are mutual.

Yours very truly,

ruly,
6 Relyan
Precident.

CLE/H,

The

Mr. Thomas A. Edison, Llewellyn Park,

Mr. John R. Markle, 3710

Ave., Chicago, has given your name as re Mr. Markle has approached us

an invention of his, which he believes profitable to our business. We would to hear from you in regard to Mr. Markla and skill as an electrical engineer and inventor, and whatever other points regarding him you think would be of value to us. Your reply will be held in strictest confidence.

Yours very truly,

THE BORLAND-GRANNIS COMPANY



S IO EAST HURON JT

Telephone Dearborn 96

CHICAGO

After August 1, 1911, the corporate name of this company will be The Borland-Grannis Company

Sept. 11, 1911.

Laboratory of Thomas A. Edison, Orange, N. J. SEP 13 1911

Gentlemen: -

We beg to thank you for your kind favor of the 9th inst., by Mr. H. F. Miller, advising of the absence of Mr. Edison, but that you will bring the matter to his attention upon his return in October.

Thanking you for your trouble in the matter, we are,

Yours very truly,

THE BORLAND-GRANNIS COMPANY

Vice-President Cann

THE EDISON & SWAN UNITED ELECTRIC LIGHT COMPANY,

CIMITED.

DIRECTORS.

HENRY WOLFENDEN, Chairman.

E. B. ELLICE-CLARK. EUSTACE C. QUILTER.

WM. MURRAY.

TWENTY-EIGHTH ANNUAL REPORT.

FOR THE BUSINESS YEAR ENDING 30TH JUNE, 1911.

1.—The Directors submit herewith the Report and Accounts for the year ending 30th June, 1911.

 The Net Revenue Account shows that the sum of £49,153 13s. 5d. has been brought forward from Profit and Loss Account.

3.—Interest on Debenture Stocks has absorbed £15,701 16s. od.; £5,500 os. od. has been set aside as Depreciation on Freehold and Leasehold Property, Plant, and Tools; £7,500 os. od. has been applied in writing down values of Stocks, and the sum of £1,138 13s. 7d. has been reserved on account of Bad and Doubtful Debts.

4.—The result as shown in the Net Revenue Account is a Credit Balance of £19,013 3s. tod., to which must be added the sum of £6,843 3s. 8d., brought forward from the previous year, thus making a total of £25,856 7s. 6d this amount the Directors propose to place £17,500 to Reserve Fund, carrying forward the Balance £8,356 7s. 6d.

5.—Cost of establishing the Business, Goodwill, &c., £390,432 8s. rd., has been brought forward at the figure standing in the last Balance Sheet.

The Freehold and Leasehold Property and Plant have also been brought forward at the value stated in the last Balance Sheet, with the addition of the amount expended to 30th June, 1911, less Depreciation charged in Net Revenue Account.

6.—The Shares of the Altrincham Electric Supply, Limited, have been taken at par, as in previous years. This concern continues to progress, and has paid the usual Dividend on its Shares of seven per cent. for the year ended 31st December, 1910. Its indebtedness to this Company has been reduced during the year by £328 10s. 10d.

7.—There has been expended on Capital during the year ending 30th June, 1911, £5,361 8s. 11d., mainly on account of Plant in connection with the manufacture of Metal Filament Lamps.

S.—The Trading since the close of the financial year on the 30th June last shews satisfactory progress.

9.-Mr. H. Wolfenden retires in rotation and offers himself for re-election.

10.—Messrs. Welton, Jones & Co., the Auditors, offer themselves for re-election.

By order of the Board,

H. CHARLES, GOVER,

Secretary.

Ediswan Buildings,

36 & 37, Queen Street, London, E.C. 23rd October, 1911.

The Edison & Swan United Electric Light Company, Limited.

Dr. NET R	EVENUE ACCOUNT, 30th JUNE, 1911.	Cr.
#% Second ,, ,,	£ s. d. £ s. d. 12,315 16 0 3,356 0 0 15,701 16 0 1,500 0 0	£ 4. d. 49,163 13 5
On Freshold and Leachedd Progery Plant and Tooks. Stocks Reserve on Account of Ibad and Doubtful Dobts	1,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	£19,153 19 6
Dr.	BALANCE SHEET, 30TH JUNE, 1911.	Cr.
To Share Capital: ITATION Capital: ITATION CAPITAL SHARE A C	Admondant Batarici Supply, Lish, 25,250 a	25,000 d of 13,916 0 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	2900,883 16 10	(809,888 16 10

E. B. ELLICE-CLARK

Auditors.

H. WOLFENDEN

We have smilted the above Balence Short and, having comined the Bodts of the Company and elationed all information and explanation with the company of the c

Liabilities of the Ametrikles Basicons have long rando up to Jitz March, 1911, and the book values of the Ametrials.

Liabilities of his Ametrikles Basicons have long rando up to Jitz March, 1911, and the book values of the Ametrican Liabilities of his Ametrican Liabilities of the Ametrican Liabilities of

stant October, 1911.

THE EDISON & SWAN UNITED ELECTRIC LIGHT COMPANY, LIMITED.

TWENTY-EIGHTH ANNUAL REPORT AND ACCOUNTS,

For the Year ending 30th June, 1911.

NOTICE IS HEREBY GIVEN that the Twenty-eighth Onlinery General Meeting of the Shardublers will be held at Winehester Home, Old Broad Street, London, E.C., on Thursby, the Second day of November, 1911, as 12 "cleak noon, to transact the Onlinery Business of the Company."

By order of the Board,
H. CHARLES GOVER
. Secretary.

EDISWAN BUILDINGS, 36 & 37, QUEEN STREET, LONDON, E.C. 23rd October, 1911.

PLEASE KINDLY RETURN THIS PROXY AT ONCE.

PROXY.

The Edison & Fran Inited Cleatric Light Company, Limited.



in the county ofbeing a Member
of the Edison & Swan United Electric Light Company, Limited,
hereby appoint Henry Wolfenden, Esq., or failing him, Edward Baudouin
ELLICE-CLARK, ESQ., or failing him, WILLIAM MURRAY, ESQ., or failing him,
EUSTACE QUILTER, Esq., (being likewise Members of the Company), as my
proxy to vote for me and on my behalf at the Ordinary General Meeting of
the Company, to be held on Thursday, the second day of November, 1911,
and at any adjournment thereof.
*
As witness my hand this day of October, 1911.
`h d

This Proxy must be received at the Company's Office, 36 & 37, Queen Street, London, E.C. not later than 12 o'clock noon on Tuesday, 31st October, 1911.

FOLD, BUT DO NOT FASTEN THE PAPER.



My dear Edison:-

We are now making great progress in the development of drawn wire tungsten lamps. Upon investigating the patent situation, however, we have come across a patent from Siemens, which covers the suspension of a long metal wire from a hook. We have overcome the patent protecting this hook arrangement very nicely with our constructions, but I fear that we are infringing upon the comparative length of the wire.

As you well know the squirted filaments were made in hair pin shape and then attached to the fire different supports. As a general rule four, five or six of these hairpin-shaped squirted filaments were used for one lamp, but now with the drawn wire, the filement for one lamp is made in one length of wire, wound over the supports.

Mr. Thomas A. Rdigon.

- 2 -

11.9.11.

Now I wish to sak you if you have not, in your early developments of the Platin-Yrridium lamps used a certain length of wire. I remember that the Platin-Yrridiumwas, at that time, used in spiral forms, i. e. that only one complete metal wire of a certain length was used in your platinum lamp.

Will it be possible for you to send me your data of your early experiments along that line, or can you perhaps tell me of some book or magazine, in which I own find any articles, dealing with this subject, if such be in existence?

I very much fear that Siemene will attack us, on account of using a metal wire of greater length than the hairpin shepe, and the particulars requested above would be of the greatest value to us, when they commence attacking us on that point. At any rate, any information you sould give me, regarding wire lamps would be of the greatest help to me.

If you could possibly find a sample of this platinum spiral lamp in your laboratories, we could make splendid use of same, but I presume that all the models and other oridences of your early experiments have been disparded. If you could, however, let me have a drawing and some literature on this subject, it will assist us very materially.

Please give this matter your kind consideration and let me have all the data, etc., possible by return of mail.

With best thanks in advance for your kind assistance, I am

Bugmann.

El. H. Lampr

Nov. 17th.1911

Hr. John W. Howell, General Electric Co., Harrison, N. J.

Dear Mr. Howell:-

I have a plan in mind for using a large number of 30 volt 16 candle power lamps of the Mazda type in standard bulbs, and want to ascertain what the average life would be at 1. 12 and 12 watts per candle. Can you let me have this information by return mail? I am anxious to use it at once. If you can give me the same information in

regard to 12 volt 12 candle power. I shall be obliged. Possibly this latter data may not be guickly available, so you can send it later.

Yours very truly.

GENERAL ELECTRIC COMPANY

In Reply Refer to

TAMP WORKS

Mr. Thomas A. Edison,

Orange, N. J.

HARRISON, N. J. HOV. 13, 158

Dear Mr. Edison:-

A 30 volt, 16 C.P. lamp of the Mazda Type about which you enquire would give an average life of about 300 hours at 1.0 W.y.C.; at 1-1/4 W.p.C., about 1300 hours, and at 1-1/2 W.p.C., about 4,000 hours.

We have no data on 12 volt, 12 C.P. lamps. or lamps very near test. I think, however, that these lamps will be nearly as good as the 30 volt, 16 C.P. lamps, but not quite.

TWH/WB

Ingineer, Lamp Works.

EL, LIGHT

November 16th, 1911.

Mr. Edison .-

American Addressing and Mailing Company not being able to segregate the isolate his character of the post-office address. Most isolated houses are reached by rural free address. Most isolated houses are reached by rural free delivery, although there are, of course, a great hany of them on the outskirts of cities and towns, which are served by the regular mail corrier.

I am writing to the company, suggesting that they segregate by post office address.

M. R. H.

November 17th, 1911.

Mr. Edison,-

It seems utterly impossible to find a out or photograph of a lighting plant for suburban residences, that is guited for illustration in the folder we have prepared.

I have gotten permission from Nr.

I have gotten permission from Nr.

be photography to Deal Beach
to photography is plant Lyama leaves this
morning, and will have the negatives developed
and printed by tomerow morning. We can then
get the print to the litheraphy. This will be
make the quite to the litheraphy. This will be
and matter and I don't think we will be losing
any time.

M. R. H.

FLECTRIC LIGHT

November 17, 1911.

Mr. Edison,-

a out or photograph of a lighting plant for suburban residences, that is suited for illustration in the folor we have prepared.

EL. LICHT

November 17th, 1911.

Mr. Edison.-

Bob and I have arranged to see that house in Montclair that we are going to wire up and aquip for house lighting, temorrow, Saturday afternoon at 3 c'amon.

Do you want to go?

и. в. н.

Tile Trends

GENERAL ELECTRIC COMPANY

PRINCIPAL OFFICE SCHENECTADY, N. Y.

In Reply Refer to

Thos. A. Edison, Esq.,

Orange. N. J. Dear Mr. Edison:

I have just returned fr book t Europe and this will explain why If you would still vou. me know, and I will get it packed and shipped without any This don't apply to you persons

We did not find it necessary to use those old notes of yours, on alternating current, but are just as much obliged to you all the same / for the kind permission you gave us to do so.

Very truly yours.

WSA/LH

further delay.

MINERS LAMP IN CASES

	2-1b. Cans		10-1b. Cans	
	Single-Case	Ten Case	Single-Case	Ten-Case
Whitehall, N. Y. Utica, N. Y.	\$3.60	\$3.12		
Utica, N. Y.	3.60	3.12 3.12		
Scranton, Pa.	3.60			
Harrisburg, Pa.	3.60	3.12 3.12	\$3.90	\$3.45
Beaver, Pa.	3.60	3.12	\$5.50	40.10
Johnston, Pa. Du Bois, Pa.	3.60	3.12		
Du Bois, Pa.	3.60	3.12	3,90	3,45
Jersey City, N. J.	3.60	3.12	0,50	••••
	3.60	3.12		
Washington, D. C. Lynchburg, Va. Chicago, Ill. Toledo, Ohio.	3.60	3.12	3.90	3,45
Lynchburg, Va.	3.60	3.12	0,00	****
Chicago, Ill.	3.60	3.12		
Toledo, Ohio.	3.60	3,12		
	3.60	3.12	3,90	3.45
Zanesville, Ohio. Golumbus, Ohio. Dayton, Ohio.	3.60	3.12	5.50	
Columbus, Ohio.	3.60	3.12		
Dayton, Ohio.	3.60			
	3.60	3.12 3.12		
Jackson, Mich.	3.60	3.12		
Indianapolis, Ind.	3.60			
Jackson, Mich. Indianapolis, Ind. Terre Haute, Ind. Louisville, Ky.	3.60	3.12 3.12		
Louisville, Ky.	3.60	3.12	3.90	3,45
	3.60	3.12	3.90	3,45
Fargo, N. D.	3.60	3.12	5.50	
Fargo, N. D. Minneapolis, Minn.	3.60	3.12	3.90	3.45
Tron Mountain, Mich.	3.60	3.12	0.50	
Madison, Wis. Dubuque, Ia. Decatur, Ill. Quincy, Ill. Monmouth, Ill.	3.60	3.12		
Dubuque, Ia.	3.60			
Decatur, Ill.	3.60	3.12 3.12		
Quincy, Ill.	3.60	3.12		
Monmouth, Ill.	3.60	3,12		
Des Molnes, Id.	3.60	3.12		
Ottumwa, Ibwa. Sioux City, Iowa.	3.60			
Sioux City, Iowa.	3.60	3.12	•	
Omaha. Nebr.	3.60	3.12 3.12		
East St. Louis, Ill.	3.60	3.12		
St. Joseph, Mo.	3.00			
Kansas City, Ho.	3.60	3.12		
	3.72	3.24		
Oklahoma City, Okla.	3.72	3,24		
Montgomery, Ala.		3.24		
New Orleans, La.	3.72	3,24		
Dallas, Texas.	3.72	3.24		
Houston, Texas.	3.72	3.24		
El Paso, Texas.	3.84	3.36	4.35	3,90
Denver, Colo.	3.96	3.48	4.00	3,00
Houston, Texas. El Paso, Texas. Denver, Colo. Salt Lake City, Utah San Francisco, Cal.	4.32	3.84		
San Francisco, Cal.	4.20	3.70		
Portland, Ore.		3.70	4,65	4.20
Seattle, Wash.	4.20	3.70	4,00	4.20
Portland, Ore. Seattle, Wash. Spokane, Wash.	4.20	3.70		
Sacramento, Cal.	4.20	3.70		

21 H. Lamos Slectrical Works Talegrams FULGURA BERLI Codes: Borlin N. Dec. 15 th, 1911.

MACHINE DEPARTMENT

The reedy please quete

Bnn/EMR

word and michalem

Mr. Thomas A. Edison . Llewellyn Park, Orange, N.J.

My dear Edison:-

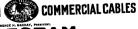
In the form we are seeking, the undivided filament in one length must be wound over the hooks or eyes of a supporting frame which is emboded at the lamp itself and is bould be very grateful if you would kindly give this matter your further consideration, from this point of view.

a patent in the Comman would defeat any claim for the Tungeton Leurs Wethanker hanging Yours very truly,

[ATTACHMENT/ENCLOSURE]







I ELEGINA

terms and conditions printed on the back of this bla

27 NY N 22

AD Boston Mass Dec 29-11

Thos A Edison

Edison Laboratory Brange NJ.

I will be in New York tomorrow and want to run over to orange to see you few minutes about electric light plant .

irving F Greene

127F

Edison General File Series

This folder contains correspondence from or about employees and prospective employees. There are also letters soliciting Edison's opinion regarding former employees seeking positions elsewhere. Most of the correspondence relates to employment requests for the West Orange laboratory, some in answer to newspaper advertisements. The correspondents include industrialists Alfred I. DuPont and Samuel Insul, as well as laboratory employees Selder G. Warner and William W. Dinwidds who were offered positions in 1911. Other employees mentioned in the documents include Maurice E. Fox in Russia, chemist Ignacy Goldstein, and Goldstein's assistant Dr. G. Rosenstein.

Approximately 25 percent of the documents have been selected. The selected items are primarily letters by Edison and incoming correspondence bearing substantive Edison marginalia.

E.L.PHILLIPS & CO. ENGINEERS HUDSON TERMINAL SO CHURCH STREET NEW YORK

January 25th, 1911.

Mr. E. M. Philips, Manager,

Great t Menneger.

Edison Storage Battery Co.,

Orange, I.J.

Door Sir:-

Referring to your letter of January 24th regarding Mr. Harry A. Corbett, bog to say that I have brown in Corbett for about five years.

I believe that he is a man who will absolutely keep his word. I have found him a very responsible man in the dealings I have had with him.

Very truly yours,

31.2:35

E.L.PHILLIPS & CO. ENGINEERS HUDSON TERMINAL SO CHURCH STREET NEW YORK

Jonnary 25th, 1910.

Mr. R. M. Philips, Monager,

Credit Department,

Maison Storage Battory Co.,

Orange, H.J.

Dear Sir:-

Referring to your letter of January 24th regarding Hr. P. C. Tryon, beg to say that I have known Hr. Tryon for some ton years, and believe that he will carry out any arrangement which he makes with you.

He has had a long business experience in New York. I first knew him in connection with the Neutringhouse Church Kerr Co., where he was office manager. I believe you will find him O.K.

very truly yours.

SLP: SL

V. J. Donmerich & Co.

CNEDIZ DENI
E 14 L'AIFTI 9

CABLES: ELEFDOH, NEW YORK.

Aredit Office

Men Daule.

Jan. 25, 1911.

The Edison Storage Battery Co..

Orange, N.J.

Gentlemen:

In reply to your inquiry of the 24th inst., we wish to staty that we think very highly of the party mentioned, the account running to 95,000 on short terms, his own option and all bills are met promptly at maturity.

Yours very truly

L. A. DOMERRICH GO

WHC-IL-111

eart c gold

HENRY W. T. MALI & CO., 73 FIFTH AVENUE N. E. COR. 15TH STREET.

New York, Jan. 26, 1911.

Mr. E.H. Philips,

Edison Storage Battery Co., Orange , N.J.

Dear Sir:

Replying to yours of the 24th beg to say that we have known and dealt with Mr. Albert S. Goldstein for five or six years. We think very highly of him personally; believe him to be responsible to the extent of probably \$20,000. We have sold him during this period at times quite freely; he has owed us \$8,000; he has paid strictly prompt?

Very truly yours,

P.C./G

HENRY W.F. MALI & CO.

```
' GOLDSTEIN ALBERT S. -----Nen's Clothing-----NEW YORK CITY.
 Albert A. Goldstein, age 39; married.
                                                                       (Manhattan)
                                                             10-12-14 E. 12th Street
          On November 15, 1909 at this address he confirmed above details
  and stated to our reporter that there was no material change in the
 business since statement of January 1, 1909 at which time he claimed
"Financial condition January 1, 1909:-
  "Michinery and fixtures----- 1,000.00
                                                      308.00
  "Overpaid commission-----
                                                     147.63
                                                       50.00-----938-855-13
  "Unexpired insurance-----
                           LIABILITIES.
  "Open account for merchandise----- 3,935.28
  "Relatives----- 2,060.00
  Mg3.-----
  (Signod) Albert S. Goldstein.
 (Signod)/Albert S. Goldatein."

He came from Baltimore, Ma, bout 1904 where he was employed by a provinent firm in the wholescale clothing business and when he came to law York work into partherwish with B. E. Phillips middle style Edward B. Phillips he Go. which firm was succeeded by Phillips he Elefel & O. which continued for three years and was believed successful. He withdraw January 17, 1907 and on January 26,1307 commond in present bunkess. Personally he is easy largered at com-
```

103--1-26-11--Con.

sidered capable and believed conducting an active and progressive business and former estimate of means \$20,000 is sustained. TRADE OPINIONS:-Five houses interviewed credit him from \$800 to \$4.000 on thirty days and four nonths terms and payments are anticipated. November 16, 1909.

In response to request for statement he gave above personal details and submitted the following dated January 18, 1910 received by mil January 19, 1910:anuary 19, 1910:- "The following is a statement of my financial condition as it

"appeared December 4, 1909, as per inventory:-

ASSNTS.
"Merchandise 313,860.01 less 10% for depreciation--\$12,474.01 "Advanced commissions-----

"Total assets-----528.594.37 LIABILITIES

"On open account for mase in transit- 855.54
"Borrowed money to brother----- 2,000.90

"For manufacturing not duc-----263.15 "Het wealth-----\$28,594.37 "Stock fully covered at all times by insurance.

(Signed) Albert S. Goldstein."

031-26-11				
COLDSTEIN ALBERT	s.	Continued	(2) NEW YORK	CITY.

He is believed to be transfeting an active business under light expense. Is personally well regarded and allowing for depresistion is estimated over \$20,000. TRANS OF INIONS.-Even house interviewed credit his from \$500 to \$1,000 and one house up to \$5,000 on sixty days and four monthis,

and payments are anticipated as a rule.

February 12, 1910.

We is believed transacting an active business under moderate expense. Is well regarded personally and estimated worth 20,000. TAME OFFMINES. Eight houses interviewed credit his from \$500 to \$5,000 on sixty days and four months and payments are prompt to fairly prompt.



Please note if NAME, BUSINESS and ADDRESS correspond with your inquiry. AS WAR to confide a commence as Cartalage comment when the care

As and a car be, and a far a far and bulleass of one account as a paramer's 1 to firm of . B. Fillings 6 Cs. Lawris 1, 100; on and a 100; occasion . B. Fillings 6 Cs. Lawris 1, 100; occasion of a 100; occasion acount 35,300, and on the retire one from Phillips, Spicial & Co. - reserve. Sat the interest \$35,000 cash. The son in the financial value of a control of 23,000, while on a control of 23,000, while one could be corrected to fair, 1,1000, be obtained reviews of 33,240 over 1000 of 03,000, and in Jan, 1000 furnished the Calledin diamon statement of months condition on the cart of what one a control of the cart of what one is . A23.15 Grade on sead Can: to orals . . . 537, 655.15 For margamented on hand, 93,938.23; in transit 99,661.73 LIABILITIES: 412.30

on stock, the 500; on fixtures al,000; burglary insurance, 32,000. he stands woll and does not test his oredit, buying largely at ide one aprior on stort time; he carries a estimate the state of the carries of estimate the carries of estimates and carries (2 3).

o. Haver burned out.

For manufacturing, not duo,

and seldem make favore.

Do not borrow on accounts receivable.

Please note if NAME. BUSINESS and ADDRESS correspond with your inquiry.

ALBERT S. GOLDSTEIN ------ Wer. Clothing. ----- NEW YORK CITY.

Dec. 29, 1910., ----- 10/12 E. 12th St., Under date of Jan. 3, 1910, ther submitted the following signed state: ent as from inventory of Dec. 4, 1909:

ASSETS: -Werchandise at depreciated cost \$13,860.01; extra depreciation \$1,386. \$12,474.01 10,217.45 Outstanding accounts, new, Outstanding accounts over one years, 1,000.00 Mechinery and fixtures, Advanced commission and cash on hand, 475.00 Cash in bank. 28.594.3

LIABILITIES: -For merchandise on hand \$1,769.13; in transit \$2,624.67 \$855.54 . 2,000.00 Losn from brother, For manufacturing, not due, 263.15

Never burned out. Insurance on stock, \$14,000.
Or for. 2, 1909, he claimed a responsibility of \$21,721 over
lishitities of \$11,123.
In common with many in thise line, he is not believed to have
added sutyhing of moment to capital during the past year he has been sold & some representative houses, in a few instances on short time Boad C Normal representative houses, in a lew instance on short that at his own cytion. His average purchases range from a few hundred dollars to about \$3,500 and payments are reported as satisfactory.

(P 3)



706.55

35-1-30-11--Prim . TRYOM FRANK C..... Age 65, married. (Manhattan) 50 Church St. Hudson Terminal Bldg.

Way 10,1010 at this laddress he gave our reporter above persons details and stidid:

"I may a specific and stidid:
"The specific arms of the specific arms o

He acts as a gas efficiency as stated above, he gained experience, and was well species of As stated he was in the W, tumber bus hessel 10th Avenue of the treet New York fity and while in that histories seeme of Friend the ware the subject of criticism, He wort thought a property of Treet and the time used the name of A grade Typen. A large number of histories were entered against the hist of which was in 1900. Those who have allowed

90R Moledo ohio Dear friend the string of you since the Blowed your first bulls when you wer grant wer grant were g Thongson, D. T.

EDISON BUILDING
March 20, 1911.

due 3 bel H

Thomas A. Edison, Esq.,

C/O Edison's Laboratory,

Orange, N.J.

My Dear Edison:

My friends in the National City Dank of
New York have asked me to find out from you about the callity,
trustworthiness, character and standing of Mr. Alfred J.
Thompson, who was in your employ four and one half years
as metallurgist, and also his skill and scientific knowledge
as a metal expert. So as to cave you trouble I enumerate
the items which they want me to get information on as follows:

First: As to his all-around character, whether he is a good square reliable man and one that it would be all right for me or for the people in the National City Bank of New York to be associated with in a business deal of some magnitude.

Second: Whether his representations in respect of matters of business can be depended upon, not only as to his truthfulness, but as to his ability to determine the practical features of a business proposition.

Third: What do you think of his skill and scientific knowledge as a metal expert?

If you can answer these questions you will put me under obligation.

young Thompson was a wincker at the fat many years ago he was with Kennelly = Hz was bright but always appeared to us us " too smouth" I have not known af his Long sense he left = He is a Nepheau & Geleens of Joe Clarke who I chunk you recommender as accepted with albert feelinger in starting the Hoove Met forement of colo is aboy publicated when for the Atandand ail Cotty unpuring only) is that you should who sat gothe Thodyson pretty Thoroughly

EDISON BUILDING 139 ADAMS STREET, CHICAGO, ILLINOIS

-2-With kind regards, believe me

Yours very sincerely

Launce Duruck

Surrends.

CABLE ADDRESS
"INSULE CHICAGO"
TELEPHONE RANDOLPH 1250

EDISON BUILDING

March 28, 1911.

Thomas A. Edison, Esq.,

C/O Edison's Laboratory,

Orange, N.J.

Ww Dear Edison:

I have yours of the 24th and am

very much obliged to you for the information you give me about young Thompson.

Yours truly

Samuel Jewells

I'r. Insull was obliged to Francisch offices before the about letter, discovered phins, max ready for his personal signature. to acknowledge terms for his s quainted with particulars ture of the work, be ned to do - the descrees, And that he was ed opportunity and to of being associateted with M's Edward work much more trave a high salary auch is putable with mit is perfectly willing to make the quebling of the latter a secondary consideration 9/ 11/2 Eclivace wanted supply Dr Ney with some particulars

of the vacaricy to be filled, he evaced be pleased to submeet all the details of his training and experience, which evacual serable M's Edvisor to force and opinione, whether D'Mey is greate. fire on the work.

[ATTACHMENT/ENCLOSURE]

I am in need of a factory Chemist what over your torms

1005

ARE YOU LOOKING FOR A FIRST

CLAS CHEMSTY
Chemist, Ph. D. 3 years, best
Gyman training and experience
in varied branches of industrial
chems and training and experience
in varied branches of industrial
chems and intermediate products,
pharmaceutical, articles,
intropharmaceutical, articles,
pharmaceutical, articles,
pharmaceutical, articles,
pharmaceutical, articles,
toops, bacteriologist, capable to
handle men and to organizes, come
mercial instructs, concerning
toops, bacteriologist, capable to
handle men and to organizes, come
mercial instructs,
comection
with progressive concerns in any
capacity, where he can show he
adultive. Address 8 200 THE
LUDGE.

Office of the Principal of Public School No. 16. Borough of Burklyn n. 9 May 9 19011. Mr. Thomas a Edison, Mest Oranje M. J. worker of the dellow destroy of auston of the dellow destroy of the dellow destroy of the dellow destroy of the dellow destroy of the dellow dell Country boy where Mother is worse than a widow. He is the eldest of fire children being perenteen genes of age. The boy has chown special interest in electricity since he was twelve years if age I am a teacher in the public school and ffied him fine worths board in my home to attend the Vocational school in Manhattan. He has made good progress in his special Mr. Thomas aldison

work, electricity for the time and has been commended by his justinetis. His name is Elioy Pearsall Greene, n. y. Do you know if any shop in place where he could continue his work and receive a small Coupensation Herping I have not arrund to much in writing you I am your respectfully agnes & De Monde 173 Madieni St Box

Mr. quantin Ollice of the Principal of Public School No.116. Borough of 1 rorkling I'll. Thomas a. Edison, West Crange, n. S. Valor 19 5/18 Kind Liv, your Letter is received and Cam renggrateful for your of Elroy Pearsall. I am sure if he tails to please, it will not be became he will not try In he appriciales this opportunity. His term in Vocational School will not expire until June 30. Will ym kuidly with me your advice and mich as to when he shall go to ym? Tratifully yours, agnes & De Hinde.

hab-Employees DEPARTMENT OF EDUCATION Office of the Principal of Public School No.11.6 Borough of 10 Northlyn. 1901911. Mr. Thomas C. Edison, West Orange, n.J. Dear Sir, Will Mr. Edison kindly let me know when he would like to have Elroy Pearcall begin his month's trial with him! We are all so pleased, and grateful for the opportunity which mill be so much to him and which he fully appreciates. Gratefully yms, agnes & De Hande P.S. I wrote about a week ago, acking for your mich in the matter of his immig theme devid no unemy, as I write again as I am auxins to-han him do as you deen best as D.

Western Blectric Company



02 west street New Hork

June 7th, 1911.

ACD_DA

IN REPLY REFER TO

8.7

HERLYING TO

NELSON C. DURAND, ESQ.

Edison Business Phonograph Company,

Orange, New Jersey.

Dear Mr. Durand:-

Confirming our telephone talk of this morning, do you think you can find a place in your laboratories at Orange, New Jersey, for Mr. Alden Crankshaw, a young man nineteen years of age who has just finished his first year at the Massachusetts Institute of Technology where he is taking a course of Chemical Engineering and wants a position during the summer vacation?

This young man is particularly interested in all kinds of laboratory work along the lines in which he is specializing, is good at mathematics and has done some draughting. As I told you this morning, while I should appreciate anything you can do in his behalf I do not exactly feel as though I were asking a favor became I am sure that Mr. Crankshaw would be an exceedingly valuable man for your Commany.

Very multy Jours,



Western Electric Company

AGD WEST STREET

New Bork

NELSON C. DURAND, ESQ.,

The Edison Business Phonograph

Dear Mr. Durand:-

This will introduce Mr. Alden Crankshaw concerning whom I wrote you recently as desiring a position during the summer months.

I will consider as a personal favor anything you can do to further Mr. Crankshaw's desire to obtain employment.

Western Electric Company



Nem Bork

June 8, 1911.

BEDLYING TO

MR. NELSON C. DURAND,

The Edison Phonograph Company,

Orange, new Jersey.

Dear Mr. Durand: -

I find that Mr. Alden Crankshaw cannot call Friday morning, but will call Saturday instead. If this will be inconvenient for you, will you please have your office so advise me?

Marsay.

Mr. Con

June 9th. 1911.

Mr. Julies Johnson, 553 Forty-Sixth St., Brooklyn, H. Y.

Dear Sir:

We beg to advise that we now have an opening in our Engineering Department for a designer on moving-picture work.

As per our recent conversation, the position will pay \$24.00 per week to a man competent to early on the work in view.

If you care to accept this proposition, please report at as early a date as possible, and if you cannot, please advise us to that effect.

Yours very truly.

EDISON LABORATORY,

ASSISTANT CHIEF ENGINEER.

ALS:AH

Inversity of w De Vam in need Electroplating Jeoblem Wicoks 6/1+/11

Lay we want an Electrochemist well versed un Electroplacing, peroblemis or a factor J. W. RIGHARDS, PH. D.
PRESIDENT

G. E. WHITTLESEY
THEASURER

J. M. MUIR

Metallurgical "Chemical Engineering PITTSBURGH OFFICE:
201 OLIVER BUILDING
EUROPEAN OFFICE:
10 NORFOLK ST., STRAND, W. C.
LOHDON
DENVER OFFICE:
1510 COURT PLACE

A MONTHLY PUBLICATION DEVOTED TO ENGINEERING OPERATIONS
IN THE METALLURGICAL AND CHEMICAL INDUSTRIES
E. F. ROEBER, PH. D. EDITOR

E. F. ROEBER, PH. D. EDITOR
PUBLICATION OFFICES: 239 WEST 39th STREET, NEW YORK

June 16th 1911.

Mr. H. F. Miller, Secretary, Thomas A. Edison, Orange, N. J.

Dear Sir:-

We beg to thank you for your favor of the 14th instant and in accordance with your instructions will insert the want advertisement, which you enclosed, in our July issue, sending the replies to your laboratory.

Thanking you for your instructions, we are,

Yours very truly.

METALLURGICAL AND CHEMICAL ENGINEERING

MANAGER.

ma/s

Formirly Electrochemical & Metallurgical Industry

[ATTACHMENT/ENCLOSURE]

Harry	WWW Too on Just proper of the Miles
Did Food	rachement.
What is I of dises it	oh production of the control of the

CLARENCE WHITMAN & CO.

20 & A LEGIORD STREET.

PRILADELTHIA.

CHICAGO.

CHARENCE WHITMAN & CO.

The a. Edison Esq. West orange, N.J.

cly searfu! I have a son 20 years of age who is anxious to get to work, is mechanically inclined and would be a handy young man in a mechanic shop. I would like to get a hoution for him so that he could get home might, and as we are now living in Bloomfield he could get to and formyour works night and morning without all finest.

tray I sent him to your manager so that he can book him over and see whether he could not find him a position where he would be useful. We does not want a clerical position but wants to work and I can assure your your will not find him a shirter.

I trust that you may be able to use him and that I may have an early reply, I bey to remain Surcively Wours.

Mr. Banfield.

[ATTACHMENT/ENCLOSURE]

The Ideson 1/12-11

The attached application log to state that I have totally placed a young man as apprentice or cannot more another just now.

I know this applicant as he has worked for me in the Mostinghouse Co o will give him the next opening of you so desire respectfully.

Micolan

Nay that we have no opening put now Mr Mada who is our feet, seep he knows you the water you the next chance ? Jah . Employer MAKE ALL SHIPMENTS TO THE WORKS AT NEWARK, N. J.

C. O. BAKER) Problem

Baker & Company. Inc.

Platinum. Gold and Silver Refiners Assayers and Smelters

Nos. 408, 410, 412 and 414 New Jersey Railroad Ave. Newark, New Jersey, U. S. A.,

miv 20th, 1911

Wr. Harry Willer. Sec'v ..

New York Office: Telephone, No. 3811 Contacts

Thos. A. Edison Laboratory.

Orange, N. J.

Dear Sir:-

Mr. Charles Snyder, of # 90 Maple St., West Orange, N. J., who claims to have been employed in your Laboratory for six years and to have advanced from \$9.00 to \$15.00 per week in three years, has applied to us for a position as helper in our laboratory, and has given your name as a reference. Any information, with which you may be pleased to favor us, as to his character, habits, etc., will be duly appreciated and considered strictly confidential.

Thanking you in advance for an early reply, we are Very truly yours,

> BAKER & COMPANY. INC. Per Dr. F. Zimmermann

FZ-NW

Jack.

C W BAKER Vice-President

(ATTACHMENT/ENCLOSURE)

Mr Halland you tell me about single. The letter

7/21/11

My highler.

5 myder was of the
Saboratory a little over 5 years;
before that he was of the moles
in Jen Redge for a short time.
He was a good theoly maker
but had a disagraphic temperment, and 9 was rever certain
that he was howert. Smyder
did word of the warming in
the was howert with the was
hoope the was there and it was
toope that advanced him.
George yearth can perhap
-tell you was about 5 myder.

N. E. Holland

The your on any bring this letter is my He is Ingenieur au much for wirches vers

some lalor! If it is possible for you, so help kin, for find Mr. Gas Flance. any labor! grh. Wangemann brence to my brother Theo, who was a friend, a true friend of your dear mister Edison

Deutsche Mähmaschinenfabrik Aktiengesellschaft 40, 30 gu Brandenburg a. d. havel. aus 9/1 Mrik/für Grntemaschinen a. Edis Lorage Barrery co roless orange 4.7. M. L. O. Q. un charles I. Fletcher nemes you for his reference; sherefore blease so let us know whether you consider un Fletcher as an experienced engineer able to manage our worreshops in a shoronghly modern style. thanking you in anticipation of your early reply me beg so remain for yours Aruly Internal. Intwortmarrie

THE CHATFIELD MANUFACTURING COMPANY

CARTHAGE, OHIO

Sept. 14th, 1911.

Mr. Thos. A. Edison, Orange, N. J.

W 16 911

Dear Sir:

Dr. Rosenstein has applied to us for position as chemist and has given us your name for reforence. Anything you can tell us about Mr. Resenstein as to qualifications and character will be appreciated and strictly confidential.

We are looking for a man who has a future and cannot to afford to experiment.

. Enclosed please find self addressed and stamped envelope for reply.

Yours truly,

THE CHAPTELD N/G CO

F.C.K.

our World Do Townshin acted as me assistent in Be secured Salesadore for one and a half years. To werk during This time was satisfactory, and he absent to be an intelligent steady Towned him well her ed in the ordical oremistry bill organic and a position requiring tecimical experien mentioned in the inquir I am unable to state vince is sad no occavion to exhibit aun such acquirements while with me

Referring to some correspon. dence and an interview, which I had the hunor to have autryme somewhat earlier in the year . I now take the liberty to respect the subject again. Having at this time submit ted to you my qualifications etc. and can sidering your remark that you would pro. hally find later an appartunity of availing jourself of my services, it only re mains for me, to say that I would naw ar at any future date gradly take up any kind of work, are which would change to try me and give my best to prove my appreciation

and the knowledge it was you who gave me apportunity and that I could be arraciated in however an insigniproduct capacity with price life wante and be the greatest inducement to Do my best. I may be presuited to actel.

that I am at your disposal at any tours in consistance with the cir. сии овшист. Believe me, Six.

nespectfully yours

a.H. Ney.

of your trust, It I may be allowed to say. connecting with a remark of yours at new into wiew, which I remember, Factive you will find me free of some of the abjections in chemi a temperan training partly per hape in account of my mived parentage and partly in account ing lang experience in different countries I believe that you will find me quest and mucrouming and pee of any cancert, which would prevent use of subardinating my

ideas to a superior mind and adjult to and my evergies to circumstances and cauditions. In the other hand, I believe myself fully capable to produce results. in practically any field . I have always prided myself to be possessed of this fina. etical Leuse, which is indispensable to aux, who engages in the application of

scientific Theories and nesults to com. muce and industry and is unforter nately laking in a large porcentage a chemists . - Thy executive always has ne .

heatedly bear arknowledged. Cancluding I big to say had I am campident, if given the appartementy that I

will be able to , make you in whatever direction, you house to apply my every, Funn N. C. M. Sell

NEW YORK AND NEW JERSEY BRANCH

NEW YORK AND THE OF THE NATIONAL METAL TRADES ASSOCIATION, EMPLOYMENT DEPARTMENT,

74 CORTI ANDT STREET.

74 CORTLANDT STREET	6	REGISTER NO. 315	
NEW YORK,	10/16/11	(28/37-M.T.)	
Edison Phonograph Co.,			

W. Orange, N. J.

NATIONAL OFFICE).
CLIVELLAND, O.
Hassen as Dermet Orrens.
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Cheveland, G.
Gordon, Mich.
Sel. Lonis, Mo.
Markett, Gh.
Troutis, Cu.

Kilminspolin, Minn.
Markett, Gu.

Dear Sir: H. F. Connors	states that he was in your
employ as latho hand	Clausen
employ as	under Potential
in Dept.	Time Check No
for 6 mcnths from Nov:10	Apr:11
Any information you can give us regarding fidential.	; him will be appreciated and treated as con-
Kindly fill out and return this blank.	
We have no intention of depriving you of this	man's services if he is now in your employ.
We have no intention of depriving you of this	man a scritteen it in
Regular? Temperate	Fract? Production Medium? Slow? Union?
Reason for leaving?	
At what class of work does applicant excel?	at the Rabonatory. Nicolai could but
Remarks:	Micolai could but
about the weeks	, you depart with
recommend Rim.	

Thanking you in advance for a prompt reply and assuring you of our willingness to reciprocate, we are,

Procede, we are, Yours very truly,

NO FEES CHARGED
To Applicants for Positions.

OF Mestone

Lunes B Cuntis

1.15 Broadway. Oct. 21 /1911. TELEPHONE 193 CORTLANDT

Mr. Thos. A. .Edison. Esq. .

Linwalyn Park. Wast Oranga. New Jarsey.

My dawr Mr. Edison:

Your favor of the 18th is received . I did not think you would answer my 1stor, breamed I thought you were very busy working in your Labaton, but had he had 1st me know when you are about to [41 m m a Labaton, My mother said she would move out to West Orange if I god a job in your orfice, will you give me a sterview some Sunday when you are not busy. Ask Theodors if he remembers me? (he had not been a start of the was Christman Day, 1803, in otically a man and you far faintly in a picture I suppose he is writty big nout. The and in your faintly in a picture taken in Baropy, He locked very big in the picture.

Trusting you will answer this letter, I remain, Charle a Johnson

P. S. Fell Theodors to write to me . You will find a stamped) anavolopa, addrassad o ma.

> JAMES B. CURTIS, Corenty IIS BROADWAY. NEW YORK

> > Mastr Chas. A. Johnson. c/o J.B. Curtis, 115 Broadway, New York.

ano h

The College of the City of New York Bevartment of Chemistry

Mr. Thomas a. Edisons
Slewdlyn Park W. J.

Bear air,
Shave heard from mr. Robert W.

Coul, that you are in need of the services of come one to arrange physical appairments from which to make moring pricture films and at his suggestion I am sending you a statement of my appearance, as follows:

In 1899 and 1901 I was mechanician in the Department of Paychology at Columbia timieristy man Prof Jinek Cattell. While at Columbia 5 was sugaged in making and cetting up apparatus jor psychological research.

Sleft Columbia to go to Cooper Union and from 1901 to 1906 I was mechanicean and lecture arrivated to Brof two a anthony in the Expartment of Physics and Wor a anthony in the Expartment of Physics and Clectricae Engineering at that institution. While there I was Prof arthony becture assistant in physics and Clectrical measurements in both day and night achool clectrical measurements in both day and night achool for four years and cet up all of his becture for those for four years and cet up all of his becture for those years. The preparation of lectures took up asout had of my time, the remainder was devoted to the construction and repair of physical and electrical apparatus.

at the end of four years & became instructor in physic, and continued as auch till in November 1906 I was appointed, tutor in physics at the College of the City of New York, where I am atill engaged. I am now

The College of the City of New York Department of Chemistro

with Brog. Chas. Baskewille in the Department of Chemistry. I believe that the twelve years experience outlined above, chouse peculiarly fit me for such work as Mr. Paul triefly described. I have letters from Prof. authory, Boy Spice and Brof Hortmann at Cooper Union and Brog. Cottell of Columbia. Same twenty seven years of age. may Share an interview?

Ed-Hand The Graver Thomas Coursey has been Employed by me and over 25 years - His work you always salufactory and Chere is no botto Corachuan in imporposion Heleaves of his own accom

CARL A. R. LEWIS CARL A. R. LEWISH

ADDRESS ALL COMMESCONDENSE TO THE COM THE ALVAN CLARK & SONS CORPORATION

ASTRONOMICAL TELESCOPES How much do you want per

CAMBRIDGEFORT, Mass. November 13, 1911.

Mr. Thomas A.Edison. veet Orange, N.J.

I desire to apply for a position in your laboratories. Deer Sir:

I have been in my present position for nearly four years in entire charge of the mechanical department of the Clark Corporation. Unite I charge of the mechanical degarmant of the Clark Corporation. While I have bad the correspondence and general management of the business to attend to I have designed a new line of telescope mountings for g*, 4* D*, attend to I, have designed a new line of telescope mountings for g*, 4* D*, attone to I have continue a new line of telegoupe mountings for or, or, 8" and 12" telegoupes also a 40 inch reflector and many special instruments. I also conignos and built a mechine for poliching glass SUFFACES TRICK COST to Text by the seme strokes as the hand method and ciliminates the errors which are characteristic of the other machinen. eliminates the errors than are consected and of all other medition. If covered a made for poliminate quotien learns, it? one problem that the british and made and made for made and poliminate of the receive learns in free refuse to trenty minutes. A boy can easily tend to of these medities. In the old methy missions it took the same boy about two hours per lens. The machine does better work.

The making of object classes is in the trade secret stage yet, and ir Lundin. who learned it from the Clarks, is unwilling to teach anyone irr. Lundin. who learned it irom the Clarks, is unvailing to teach anyone else but his son and is unrilling to develop the optical department beyond that they can handle themselves. Tithout such development my work here will soon be at an end.

I made my own way at college by doing electric bell, telephone, electric light wiring motor repairing etc. Was instructor in Physics at the University of Virginia for two years while a student there. Was an the University of Virginia for two years while a sucent there, can an assistant at the Maval Observatory for six years there I designed many distriments. Kas a member of cellpse expeditions to Georgia, Sunatra and Africa. Kas Superintendent of Amer-Bonner brush factory in Coledon and Africa. Was Superintendent of Apre-Bonner bruch factory in Coledo Onio for tro years. Made improve ment in Autocatic Machinery for making brunker, and improved method in force and the superintendent of the force of the superintendent of the force of the superintendent of the force of the superintendent of the superintendent

I have never left a position except for what I considered a botter lumber used. one. I am 35 years old and married.

I can work with my hands. I could qualify as a pattern-maker, toolmaker, of brass finisher and am a fair draughtsman. Have made several hundred sheets of drawings. I have over \$250 worth of fine tools micross-ters drawing instruments etc., and have the best and latest books on satronomical and optical instruments.

You are at liberty to write to Mr. Chas. H. Sawyer of H. M. Sawyer & Son, East Cembridge, Mass. who owns a controlling interest in the comperation. Betther Mr. Lundin nor myself are financially interested here.

Your consideration will be greatly appreciated. II D DINAM Don and Can Mer.

F. M. SERGEANT, Vice-Pres, and Asst. Gen. Mer.

F. O. GEYLER, Sec. and Treas.

NIAGARA ALKALI CO.

Talachoon Bell 135

(NCORPORATED) Electrolytic Caustic Potash, Solid and Liquid, Chlorine and By-Products, Muristic Acid.

OUR EF E VOLID DI E

NIAGARA FALLS, N.Y. 11/14/11.

Mr. Thos. A. Edison, Orange, N. J.

15 18 41

Dear Sir:--

 $D_{\rm F}$ C. Rosenstein, 1352 Clinton Ave., Bronz, Hew York City, has applied to us for a position as chemist.

Bog to advice that the only possibility of our requiring such services as he may be able to offer will be in positions ultimately leading to places of executive responsibility.

Kindly give us any information you may care to do in the light of this fact regarding Dr. Rosenstein.

Thanking you in advance, we are,

Very truly yours, NIAGARA ALKALI CO.

PRES. & GENL. MGR.

HUR: MAB.

[ATTACHMENT/ENCLOSURE]

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Thomas A. Edison, Esq., excellent, for the control of the control c/o Edison's Laboratory, Orange, N.J. Ww Dear Edison:

send Lieutenant Eyre to you.

I understand that you are looking for a first class factory man, who is good on organization. I can recommend very strongly Lieutenant M. K. Eyre, who reorganized the methods of the Lamp Works at Harrison originally and who was afterwards with the National Lamp Company. Mr. Morrison of the Harrison Lamp Works knows all about Lieutenant H. K. Eyre. I do not want to send Lieutenant Eyre to you unless you want to see him, as I do not want to bother you. Would you please let me know by return mail whether you are looking for a good factory executive and if you would care to have me

Laure Character

THE ALVAN CLARK & SONS CORPORATION

ASTRONOMICAL TELESCOPES

C. Maringerest, Mass. November 22, 1911.

Wr. Thomas A.Edison,

West Orange, N.J.

naar Sir.

In reply to your letter of the 21st. inst. per Mr.Miller:

I would be willing to start on \$175.00 per month and trust you to increase the amount if you find me worth more than that to you.

The first year I was superintendent of the Ames-Bonner factory in Toledo I received (175.00 ger month, the second year (200,00 per month.

I came here on a salary of £3000.00 her year. which I have earned, but without further sevelopment of the business my place can be filled by a cheaper man.

yory truly yours,

Aud Shalagraph

EDISON BUILDING EDITON BUILDING

November 27, 1911.

Thomas A. Edison. Esq..

Care Edison's Laboratory,

Orange, N.J.

30

My Dear Edison:

I have Mr. Miller's letter of the 21st. Licutement M. K. Eyre's address is 308 West 97th Street, New York City. I think it would be worth your while to see him, as I believe that he could save you lots of money as a critic of manufacturing methods.

Yours truly

Yours truly Vanuel Centure (

Mr. Thomas A. Ediscn, Crange, N.J.

My dear Mr. Edison,

I note with pleasure your advertisements in the Army & Navy Journal under date of Movember 1855, and to learn from it that my friend Mr. Hutthfrom her become so closely identified with you.

I have known Mr. Nutchison for a Zteat Manuer of years, and have always been impressed with his genius as an inventor and his ability in matters executive. This, as you have probably discovered yourself, is rather an unusual combination, and I am extremely pleased that Mr. Hutchison is in a position to demonstrate his value. I am much interested in watching his progress, as I have always felt confident that if he had the opportunity he would become a man of prominence.

I desire to take this opportunity to state that my experience with your latteries for lighting on my yacht has been of the most flattering character.

Yours very truly,

Symbolismet

Enp. apple

THE ALVAN CLARK & SONS CORPORATION

ASTRONOMICAL TELESCOPES

Mr. Thomas A. Edison, West Orange, N. J.

pear Sir:
In reply to

In reply to your letter of the 28th inst., in regard to

I enclose a snap shot of he taken April, 1905 - in my 90th year.

I have not taken time to pose for a photographer since some time previous
and so have nothing better to send.

In the last six years I have worked ten hours a day for my employers and considerable overtime for myself, with only one vacation of six days, but I am not much worse for wear.

without obligating you in any way, I will be glad to come to Grange to see you. I can bring drawings of instruments and machines, also in letters and other evidence of my work. I will have to be in Cambridge on Saturday morning December 5th, but could come at any other time next week.

very truly yours.

W. W. Dinwiddie.

November 29, 1911.

Mr. Edison.-

had in my office new for several souths, as process you fulfill. He has worked very long hours, and his nervices have been very astisfactory. He is now getting 180,000 feet of world like to make the control of the co

A. B. HUNCHISON.

Dec/ 1st, 1911

Alfred I. Du Pont, Esq., Wilmington, Delaware.

My Dear Mr. Du Pont:-

Your esteemed favor of the 27th ult. has been received, and I would say in reply that it has given me great pleasure to read your kind expressions in regard to our mutual friend Mr. Hutchison, as I fully coincide with you in your opinion of him.

Allow me to thank you for the information as to your experience with my batteries for lighting on your yacht. It is gratifying to learn that you are so favorably impressed with their norformances.

Yours very touly,

TAR/ES

- سنسيسيو حد ديان بعين

Man 173 Madren St. Brooklyn, Dec. 8, 1911. Mr. Thomas a. Edison. West Crange, 7. J. My dear Mr. Edwar, ne near ago, in Edwary, Joffend Elroy Carcall, now in your employ in the laboratory, a home while he attended the vocational school in Newyork. In June he went to you and so he has not seen his mother You mearly a year. The mother is very amounts to see him, and he is anvinis to go to the home for a few days. Would it be possible for you to let him go the 26 1h, 27 do, 28 do, 29 th and 30 th of Decomber! I am writing this without the knowledge of Elity Pearsall. I whink you for your interest in and kindness to the boy. Very truly yours, (lynis E. Damonde.

[ATTACHMENT/ENCLOSURE]

Phis is a boy working in the Chemical Tabovatory

He has been working some last June

200 9 110.

Dec. 15th, 1911

Mr. W. W. Dinwiddle, o/o Alven Clark & Son Corporation, Cambridge, A, Mass.

Dear Sir:-

Referring to our conversation a few days ago. I beg to say that I can give you a position here at forty-two dollars (\$42,00) per week, and shall be glad to have you come ready for work February lat.

Please advise me of your acceptance.

Yours truty,

December 13, 1911.

Mr. Sdison -

For has done ascelled work in St. Patersburs. His results could not have been shaded in the finding could not have been supported by the first state of the state of ago, he is now the souther solo he could be souther solo he could be solo to could be sold by solo to could be so for his done excellent

F. R. HUTCHISON.

OFFICE AND WORKS.
WAVERLY PARK,
NEWARK N.J.

IN YOUR REF



MANUFACTURERS OF
Electrical Measuring Instruments and Appliances.
Waverly Park, Newark, N. J. December 27, 1911.
Edison Laboratory,
West Oronge, N. J.
Gentlemen: Fr. Haurice A. "oif, of 255 Belmont Avo., this Oity has applied to this company for (Rlocrical Instrument employments Designer and elaims to have been employed by you losigner as Assistant Electrical Instrument, under Mr. C. E. Ercwn, E. R.
during
Your answer will be held in strict confidence, without prejudice to you, and we trust that you will treat our inquiry as confidential, and consider us at your service for similar references, or otherwise. We enclose herewith stamped envelope, and thanking you in advance for an early reply, we remain. Yours very truly, WESTON LEGORICAL INSTRUMENT COMPANY, PER REPLOYMENT DEPARTMENT.
Employed from to Employed as
Were services satisfactory? Does he apply self?
Honest? Sober? Capable? Are you related?
Reason for leaving your employ?
Would you reemploy?
Remarks:
Day of 190 . Signed
gur land

WESTON ELECTRICAL INSTRUMENT CO.,

WAVERLY PARK,

NEWARK.

Rarge: Marien 1 Sing Reg By Hale My. Jujurnepiter Jew Edison! Vanniles Vis grilight, warm if in bri Adla in Restin für die Meh antgran minner mig be telept an un moren brie Theo Wang end anny lor 1889 der Mais für Tis driet fri roge mist dem plomagnery more from hoole Japa has four bades were find dankharmed frommer engages wing taken for gang and your days of dan Which fant, westernament and his an liferite und very die Mittanliebe den Ale him die Tabar in dia hand. Har Chrisgan ging war altalen Valn Inserieur Lilius Ellante may New York mit dam imige Windely sinch what in Spran Warband first for fin. I sprind min or fate done soon dange for your wind insered your grape upon for mainer winder

Orin groups deferreste light wind dans or interestentes Though das Infinences of Estimated or or hand fit fully since Middle come This as interest ets its Familia nafganauluna estiville mi whitely wallend the morn Vinn Ifur day immal nun Jum January James Types fager wind if m wanted front in fine has beight you for in der Carmed suifen affen open and Shitzan ingantunis pin. Vargai for the hithe main goots, Offenpit! Wien life ip ingriffer way fins your Birkky will polinger under Inthe all fine

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willing plan bis Juan granfan. Men las Cambon Ifn impressiber wills repeated to the friends Fr majns: New York Lity. Whit service gliper Juparting und in andraker on miner anner linather you day doub sing dar clather hope dan tast freed Marbleiks if in Unakhankaih you rightime

[ATTACHMENT/ENCLOSURE]

N. N.

The sixtes of our old friend Wangemann, has a son, a civil engineer, who has come to New york to book for compley need, but you not need any so for. The now prages you instructly to kinetly by and so something for the young man. We have come several times to the Laboratory to look for a find, but in oain. The is the wife of a find, but in oain. The is the wife of a chief forcestor is Generally, Odd Maglie.

The address of the young map is

Julius Maube 1542 West 149 th Street New york

The young man wants to be an inventor; Flying-machines are his speciality.

Mors. Oberfoorter Odo Klaube Merten 9 Sag Reg. Bex. Colon Jamany

Harry Coleates Ca In Edison way and Detical day to had place you for a favour to please raise my wages a little it is very small for the house I work from 6 a. In to 6 P. In I days a week, thanking you in advance your humble Servent Thomas Couray

Edison General File Series 1911. Equipment and Supplies [not selected] (E-11-42)

This folder contains correspondence and other documents pertaining to the purchase of equipment and supplies for the West Orange laboratory. Also included is unsolicited correspondence from vendors and suppliers, along with documents concerning the settlement of accounts.

Edison General File Series

This folder contains correspondence and other documents pertaining to arrangements, appointments, activities, and publicity during the period June-October 1911, when Edison and his family visited England, France, Germany, Switzerland, and other destinations. The correspondents include longtime Edison associates Theron1. Crane, William Kennedy Laurie Dickson, Francis Jehl, and Edward H. Johnson, as well as John F. Monnot of the Klaxon Co. Some of the correspondence with Jehl and Monnot concerns the repair of Edison's hired car.

Approximately 30 percent of the documents have been selected. The following categories of documents were not selected: unsolicited requests from European admirers for Edison's opinion, aid, advice, and autograph; inquiries regarding interviews with Edison and articles written by him; untranslated foreign-language letters; unsolicited calling cards, postcards, and raviting greatings.

Newspaper clippings relating to the tour can be found in Scrapbook, Cat. 44.447—European Tour (1911) in the Scrapbook Series.

European Link

Mr. H. F. Millori-

I hand you berewith two information blanks which were forwarded to us by the "Thite Star S/S Co. " These are to be properly filled out for the passengers intending to tail of the S/S "Oceanic" leaving New York June Blat. I underested that few presentate will sail on this boot and the information as given on back / and should cover two paracogons. Will you have those filled out an poturn to so to-day? I will then retigm them with the resittance I am seminar to cover the S/S tickets. "alter Myons.

cnc-

WS/ITE

[ATTACHMENT/ENCLOSURE]

INFORMATION REQUIRED BY UNITED THIRD CLASS, WHO SAI (II United States offices, that fact abound the sta	STATES LAW OF EACH LS FROM A PORT OF THE	ALIEN PASSENGER, WHETE E UNITED STATES TO A FOR gives. He alber information in requi	HER FIRST, SECOND, OR REIGN PORT. red of Velled States dilleren.)	assenger	m	
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Ticket will not be accept	ed and holder will	I not be allowed to properly filled out.	go on board unless	\parallel	191	E
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[ATTACHMENT/ENCLOSURE]

Porm 60

Department of Commerce and Cabor

IMMIGRATION SERVICE

INSTRUCTIONS

If purchaser claims to be a United States citizen, that fact should be stated on line 5, and name, approximate age, and sex should be given. No further information concerning United States citizens need be recorded.

concerning united states cursues seet to recorded.

In answering question 8, the year of arrival should always be stated. If alien has been in the United States less than two years, the month of arrival should also be given, and day of month as nearly as possible, in order to determine whether alien has been in the United States a year or more.

year or more.

In reply to question 10, if alien is unable to state where
he is going to live, the answer "undecided" may be

recorded.

The following is the list of races:

Korean.

Lithwanian. African (binck), Magyar, Armenian, Bobenian Mexican. Montenegrin. Bosnian, Moravian, Bolearian. Preific Islander, Chinese, Polish. Croatian. Portuguese Cuban. Roumanian. Dalmatian. Russian, Dotah Ruthenian (Russnisk), East Indian. Scandinavian (Norwegi English, Danes, and Swedes), Finnish. Scotch. Flemish. Servinn. French. German, Slovak. Slovenian, Greek. Spanish, Hebrow. Stanish-American, Herzegovinian, Syrian, Irish, Italian (North). Turkish. Welsh, Italian (South), West Indian. Jaronese,

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Ed No opy of Cable message to g F. moment. Jan. Darw. Pain, Janu 8/11. By Western Lum (Lieben Code) MEANING . CABLE WORD EDISONS Will sail via Hambrug amucan Line ĖM PAKASSE Janu 24 5 EBRANLIÉZarrange to meet ar ASSOPIREMO-Peymouth PLYMOUTH with WITH Sum SEVEN sear SCAT open OPEN con CAR cape CAPE tip. TOP sisine to Rent BIR LANDO -UNTIL On 15 ECHAFAUD-Hutcusin. Oted To J. a. E. ape. MW.U.



12 NY N 10 Collect

New York June 13-11

For Hutchison

Thos A Edison Orange NJ.

Edison for hutchison New York histordre assorgemmo edison plymouth burnettize.

1- Refuring to Jose telegram of 112 with 1000 2. Will roles

5. Can you give name of Steamer

Edward . Trage 10th July "11 dear un Eg gon 11 11 I am pleased to know That you will sail on the Mauretania It stated to you, I will arrange for seals at the Table. Jagers trueg

El miemalo

TELEPHONE, GERRARD 4569.
TELEGRAMS, GABLES, LAURIONITE LONDON.

W. K-L. DICKSON.

LECTRICAL & MECHANICAL ENGINEER
TESTING ... EXPERIMENTAL LABORATORY
AND
MACHINE WORKS.

Thomas A. Edison Esq., Orange, New Jersey, U. S. A. 4, DENMAN STREET,
PICCADILLY CIRCUS,

July, 22nd. 1021.

July, 22

By doar Mr. Edison.

It gives me great pleasure to learn that you are visiting this country, and I hope you will spere 10 minutes of your valuable time in honouring my Laboratory with a visit, as I should like you to see what I am doing over here.

Will you be good enough to let me know what time you expect to reach London and if there is any mortal thing I can do for you blease command me.

With every good wish,

Yours sincorely,

THOMAS A EDISON.

FRANK L. DYER.



LONDON
PARIS
BERLIN
SYDNEY
BURNOS AIRES

Edison Phonographs and Records Edison Primary Batteries Edison Kinetoscopés and Motion Picture Films Edison Business Phonographs

"ZYMOTIC, NEW YORK"

July 28, 1911

Dear Mr. Edison:

Because I am leaving to-day for my vacation, I will not be able to see you off on Wednesday next, an doubtless some of the others will.

I want to offer my best wishes for a pleasant voyage across, an enjoyable sojourn in Europe, and a safe return in the fall.

Very truly yours,

C. C. Welesvey

THE DISON- PoremoC

August 16th, 1911.

Mr. Thomas A. Edison, Morgan Harjes and Co., Paris, prance.

Dear Mr. Edison .-

another latter received from Fox. I am sending you these various communications boause I think you should know of developments in this line. I am enclosing herewith, a clipping of your old friends but and affer low can see how fearous you are gotting when these two lines from gentlemen follow your example by taking a weather.

Yours sincerely,

Caraladario (Como) August 30th 1911 by They " Lieb and Corclis Shad you are in Europe for a trip with your have the indention of paying a visit to has been for dhe first time indeoduced in the Suropean Condinent; but if you should find it possible to include in your program a short excursion to hily I and my friends of the Edison Company would

he greatly obliged to you you will find in thishen from of your most friend from a sound admirers.

Flooping you may be able to comply with our desire, I remain as always, my dearthing yours truly Colomba

FDISON'S NEW MOTOR.



Cara

HOMAS A. EDISON seems to be laving the time of his life on his Paropean holding man. A presurable property of the property of

Mr. Edison has been inspecting the natural cold storage plants and unemployed water power of the Alpino glaciers. Now he lends a hand to practical experiment in animal traction.

a hand to practical experiment in animat incursor.

Bennding a mountain curve somewhere between Geneva and Interlaken the auto accidentally turned turntle. Mr. Edison was not hart, but the machine was—to hadly, indeed, that even the vitzard's hart, but the machine was—to hadly, indeed, that even the vitzard's skill could not restemble it. Fortunately it was in a farming slatrict, and there were draught animals about. After the custom of the and there were draught animals shoul. After the custom of the

towed it safely into port.

Here is where science, like the fashions, rotates and returns for primitive forms. What could be prettier than this ides of the great inventor going back to the archine system of locomotion almded to by the late Josh Billings, the pioneer of simpliffed spelling, in life Farmer's Almanax:

"A shiftless man was Farmer Snyder, He spont his time a-drinkin cider.

Togother he worked a cow and a mewl.

And never sent his boys to skewl."

TA EDISON-

Sent. 1st. 1911.



Mr. J. F. Monnot, 31 rue Daru, Paris, France.

Dear Ferry .-

I have not heard from you in an age.

The New York World has been very energetic by keeping a reporter on the truit of Mr. Edison, ever since he landed in Europe. This reporter cables over about a doubt in about in almost every day. Some of these reported mention that he was waiting for you at the Najestic, and of the trip that you and Mrs. Monnot took them on through Faris.

We have just received information through the newspapers that the automobile sidded in one of the meditain is Switzerland, and almost over-turned? have you heard anything definite about this, and if, what really did happen. One paper had 't that the car turned ompictally over, Another one had it, that the car was completely wrocked, and beyond repair. I am wendering what really did happen.

Mone of us here has beard a word from the Old Man since he left. He is not much of a latter writer, you know, and impassing timportant comes up, he does not write at all. We have to get our, information about his from the newspapers.

What did you succeed in doing with him while you had him?
Thope you closed up a good business with him?

Things are going along very macely here. I finished to submarificial designs, and am building three of the \$100 ampere hour cells. Thesewill be loopleted and ready for test, I hope, before the Ole Man gets back.

Keep it under your hat, but we are going to show an anamate time when he comes back. We are chartering a yaoht, and the heads of all the represents are going down the Bay to meet him and tage than off of incomer, We don't wanth him to know anything about #8 will alkahim by surprise. We make a holically here, and resteed, a couple of the steamboats to take about a thousand of the men down

The second of the contract of the second of

to meet him.

I am still hard atti, as usual, and am taking my vacation from S.A. Wito 7.4. Wit as a continuous and a continuous action of the continuous actions and the continuous actions and the continuous actions are not continuous actions.

How did you get along with last of sign-establish the file of the state of the stat

Work diety

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TELEGRAPIC ADDRESS

- LONDON, - BERLIN, - TURIN, ---

TELEPHONE 593-20



THE KLAXON CO., LTD.

WARNING SIGNALS

TOWARDING STORAGE



31, RUE DARU

PARIS 12th. September . 19 11.

ACCUMULATEURS

EDISON.

Mr. M. R. Hutchison, The Edison Storage Battery Co., ORANGE N.J.

208

My dear Hutch,

I have yours of the 1st. inst. and note contents.

olosely Mr. Edison and I met his vork world" reporter is following the left of and I met his vegat times. Since Mr. Edison has left of the left of the

happened with the Old Man and as I am salling with nim on the Syth, into, we will have an opportunity of talking over matters. The Regarding cigarette emoking, I have not been deprived much while with him as I have smaked many good cigare which advantageously compensated the lack of cigarettes. If Mr. Edison does not come to Paris set he espected I am going to meet him in Berlin again before he salis to see the Begmann factory and gather some information on the alectric traction.

Awaiting the pleasure of seeing you soon, I remain,

Yours sincerely,

Wien, 12. Sejs tember 911.

Hoch geschalder Herr Edison Harsch'
beender ich mir erlaube deuselben
Elacerauskung rekomandiert, au
Euer Hochwalgeboren Surses kur
becordern - Als armer Tompund
biet ich wieht in der Lage, Euer
Hochwolgeboren die Respirkung,

der ergebenen Widmung) auf theweren Noteupapier in senden. Bitte Sie daher, nur auf den Inhalt meines Rythmus zu achten, indere ich hoffe, dass die Kompe sition Ever Hochwolgeboren gefallen wird, nehmen Herr Edison die Versicherung meiner grössten entgegen und verbleibl The gant per adresse: (Wien T. Haugespoostes. Composer of the Edison Mouch



hur Eximmencing! der in Ehrfricht gewid miker: Edison Marich!

Win den is Antonburgh Yaku P Gabriel

AMERICAN CONSULAR SERVICE PRAQUE BOHEMIA AUSTRIA Sentember 15th. 1911.

Dear Mr.Edison; -

I am very glad to know that you have arrived in Prague, and I would be pleased to call with Ers. Brittain about eleven this morning if you will be at the hotel at that time. I called this morning, but was too early.

I would also be pleased to have you go with me to call upon the Governor of Bohemia, if he is in the city. If you will please let me know whether it will be convenient for you to call to see the Governor I will at once endeavor to arrange the time, and will inform you.

I also hope you will call at the consulate before you leave the city.

Very respectfully.

Mash J. Brittmin

American Consul.

53 Mariengasse.



nen menschilitälie Gro





Telegramm-Advesse :
"XYLOGRAPHIA BERLIN"
Telephone AMT VI, 1860—7141
Stee-Cooks : Destack Back Seria und

DEUTSCHES VERLAGSHAUS BONG & Co.

.... Verlag von

"Zur Guten Stunde" - "Für Alle Welt"

BERLIN . LEIPZIG . WIEN . STUTTGART

. . .

R1/D BERLII

BERLIN W.57, den 22nd of September 11

Thomas Alva Edison Esq.

c/o Mr. Sigmund Bergmann

Berlin N. W. 7

Dear Sir.

We did already take the liberty of addressing to you the following lines to Marienbad and Dresden. But in case those two letters did not reach you we beg your pardon by bothering you again with the following.

For almost a year or so we are corresponding with Messra. Harper & Bros. of New York and with Mr. Thomas C. Martin regarding the rights of translation of the book

Edison
His Life and Inventions

for the entire German language. We would highly appreciate your kindness if you would do anything in this matter, as we are very much interested in publishing a German edition of this book. If you do wish a personal meeting, a gentleman of our firm will be at your disposal.

Trusting to hear from you, we beg to remain,

Dear Sir,

most respectfully yours,

DELITISCHES VEHERESINGS

GRENEWALD 22 Sant 1911 on THE PARK ST. 34 PARK 81.

J. H. BLOCK VOCCOM-PERI IN

Thomas A. Edison Esq.

city.

My dear Sir:-

I was on the eve of starting for Moscow , when the papers brought the news that you are in Germany & on the way to Berlin.

Would you & your family give us the honor to spend a few hours in our home erected a short time ago according to my taste a desires. in the most charming part of the Grunewald.

I know your time will be limited, & I would consider it a special privilige & honor.

My residence would give you a good idea of what modern german art & workmanship accomplish, & I believe the inspection would not be without interest even to you. Without wishing to brag, I believe I have the right to say this, judging by the opinion expressed by many artists & architects.

Would you kindly call me up on the 'phone & tell me when I may pay you a visit. Any time that suits you will suit us & you would confor a special favor on us if you could arrange to lunch with us.

I would esteem it a great favor & honor to be your Cicerone during your stay here. Should you consent, I intended to abstain from inviting anybody except Mr. Thackara, the American General Consul & his wife, who would very much like to make your acquaintant

Most faithfully yours

The auto takes 25 minutes to come out here.

Berlin 23 Septh. 11. In Holls in Ifam Engis. finder Wer. Edison gg stalonostotel I'm pail for find hills lar, of tringles find I'm som follow, Fin lith Monfright, nomm ffmm Preffright Surf som f. some ince. Worldle 2. Lough som Bert Tagetest mit Amer Jufor 1890 32 2003 I'm Viriginale bringen troop. " here high file mention my muses Wit waging higher Hufufter war much firm many the fundum frightigh firmsmym, B. Trents. Brynnikmoph 19 my fundapit in Not grand from my from the form

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ATTACHMENT/ENCLOSURE)

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Jug Jung Moultke

Jug Jung Moultke

(ATTACHMENT/ENCLOSURE)

Abochrift aus der Zeitung Beremer Tageblatt vom 122 October 1890 Eine etwar verfrihte aber originale Gratulation Bu romen Goten Geburtotage winde dem General feld marothall Grufen Molth diever Tage vom- Wer Throngraph dangeleshet. Dieselbe lantete: Von allan Hergen im deutroson hand Wind heute im Gebote Graf Mottle genamt. Oh, mine Tott es grading walten Und ihm mich lange dem Reich erhalten. man mindy der Grafen now numer of my form for fundamplen How B. Trenja and Barrin

muy - Kreisow garift, and John sing of fragray for Sungay from the Langian Soffeling Line James Jane may make your Man Phonograph Jane maken Walanceffung Lar

Friend James Joshifan Girk Glinkwings whomm, find nestifun ifn sin hamklomed Cinfalm das Josepan Esfain,

Many graphy make you

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[ATTACHMENT/ENCLOSURE]

The variety of this. B. Reeless of Balling, a demonstrator for Edison Bronagraphic was invisited by Court v. Modelle to give au contribution at his accounting beard Carina Befor the main contribution he raw off a few lines of congratulation for the courts of little day, for which it was revocated now into a throughful grown of the old man The Bollines taglest institutely published a report of this phirarcolo occurrence. This man Reuse's occurrence was present a property of the Court of the accounting of the old man and offers for old. The original manuscript incitation of Modelle for that contidering and the report of the Court of page.

B. Preus

Kopenit - Strate 193 IL

Berlin

Serber Herr ldi for Muzai him Die gittiget meine hertigite frage, zie betrifft Herri Theodor Mangeria er Herri Hilliam den 20 tah, Joan litten Mel zeften habe af en in Beselin mer.

Asks for information about "Wangsmann and his present Address.

Mrs. Elise Wichmann

%. Director Neger 4 Jagon-Grasse Grunewald Dorlin Let derolle mit nach Berlin
geten men.
Het en och bei Horn ;
Mine Tel fonde 19th;
Hint Plate bing 1256 92.
Sint Plate bing 1256 92.
Litiget im Salmont bittend.
ion some 1860 dank tidenacu.
hugstyl frammel Jagonett.

Heidelberg 25 Sept. 1911

Dear Sir!

gow had been hind enough to allow my arm. It alto labely to allow my arm. It alto labely who is still to day in your country who is still to day in your country to exallently end speed feally giving a story your non select the story for my your present trips. Though you me your present trips allowed you me your great the farmer and feel it a very great which to show you can work you have and feel it a very great which to show you can work you to show you can work to the largest in our bristers. I have the largest at lyou would so when I gad to you they much all great to your wealth and there have been going if your desposed. If you would so when all great more than the largest into I you would so when all great worth and my largest into I have noted and thanking you to my part for him at your and have you have sont him the sont me of your worth and my largest into I for him your worth and my largest into the hour him when you have should have him your largest fully the still the sont the sont the sont him

Geh, Temmerainead I Scholl Dischter der Gerland Canene Werke Sindelberg, und Sambeim J. G Einenweidender der Vereins stadterker Siell Sien, Saterkeit,

Heidelberg.

Manager of "Wardelbagg Abanmhann Perteand Commit Company's Wash. Thompsay Praintent of German Portl Commit Manafactured Association Ernst de Brünn

Humburg, September 25 1911 34 now Germangenterson Phin., Guyn, T. 3378 Thomas a bouson by: you have have pleasant rney through Eidrope and also a good wort. That your health will be mor ni bot con-Yearn! lack from low Horla of my health I have to bemain and on account in my old country a will kindy remember the sith rent conservations as har, har en your together am I would thank al you rould lot me know by Yohe very much writing or Phone! country bleasure to gree remain Dear Six

Maruburg 27 Text get them brought home by Newspaper boys. Un. Th. Edison In no country in the world there are Esplanade Hohe printed (so many Dear lie newspapers & books Reading in the as in Germany, papers that in Dresden which perhaps you you were surprised the did not throw papers are not sold as yel. in the street. Wishing you Let me tell you that a happy passage. in this country we do not - for a rule - buy a Namburg man Mewspapers in the street - We are subs cribed on them an

Elemon TA

MORGAN, HARJES & C.S. PARIS

31 Boulevard Haussmann

d. P. MORGAN & C? New York R. DREXEL&C? Philadelphia MORGAN, GRENFELL & C?

Paris 5th October , 1911.

13 s/1

Dear Sir.

On the 23rd ult., your telegram

reading as follows duly came to hand:-

"Femily strongly objects my going "to Paris think can arrange every-"thing to-day"

and we have not to acknowledge any further communication from you.

Thomas A. Edison Esq.,

Orange, New Jersey.

TAE TOP EDWARD H. JOHNSON T- 1424 Dreven DEar Edison Aflad to heavy a I dant like Bergmans they cate to much to Genua influence + om General of layarty to man who made Stope you top stiffened your glish up a dist Yours and OFFICE OF THE APPRAIS
ACROSS ALL CONSISTENCIAL TORS
APPRAISE OF MEDICAL TORS
APPRAISE OF MEDICAL TORS

TREASURY DEPARTMENT

Och 10/11

Show. a Edward, " 12 11 Sir. Sheweleyn Park, M.J. Sir. Which appraising some effects in the trumps of a passenger arriving on the Sp aminta, an umbella was found laying on top of a trump, which upon Ixamination was found to have your name en -

Jame to our office, Room 175/2, in the

gravel thereon.

building # 641 Washington street, and if you will pend a measure for pame, will be pleased to transfer it to him. I have also in my possession a bedroom plipper, which the pteward of your Quite brought but to the dock thinking no doubt you were still there and which I promised to reston to fou Respectfully Edward C. Oilos

BATH BOARD OF TRADE N. GRATZ JACKSON, President

Both Moine, October 10th, 1911, 191

Hon. Thomas A. Edison.

My Doar Sir: (W

10 12 _{10/1} I am enclosing a clipping which you

undoubtedly saw in its original in the N. Y. Commercial. This clipping was read in the course of the proceedings of a recent meeting of this board. Regarding the model now operating here in Bath, the facts are us stated. Should you care to see this model invention in operation. I shall be pleased to have you visit; this city as my guest at any time convenient to you. Trusting that I may have the pleasure . I am. Sir.

Very Truly Yours.

Mycathefathern

[ATTACHMENT/ENCLOSURE]

PREDERICK D. HILL, 1st Vice Pres.

er.

To show that the McDonald Power system is satiracting attention, the following editorial from the New York Commercial was read, after which the meeting addoursed:

ARTHUR E. PURINGTON, Nov.

BATH BO

TRIED ON THE KENNEBEC.

But before embarking on the Amerika at Hamburg for the home voyage after a three menths' online. Amerika at Hamburg for the home voyage after a three menths' online after a three menths' online after a support of the state of the state of the support o

abov so turn the Messof the sax to purpose of season utility."
It will probably simples both the Amejon "final" and to Berman professor to jearn that all Bath, Messon many more than the season of the Messon in successful operation, a mail model plant for the automatic impounding and release of the Uses and the Messon of th

folded to him along this line; and he proclaimed Professor Pein the first man who has really unlerstood

Its federal as on the west bank of the Mannahae Biver at a noint about 13 miles from the Atlantic ocean. where the normal flow and ebb of the river tides may be set approxishorten has marked without leter ruption, day and night, through all these weeks and wholly without human aid or direction or adjustment except, perhaps, in the peressary oiling of the bearings and so forth. The motive power of the model has time and again been carefully comnuted by engineers and others competent to measure it by scientific processes, and according to local reports no one of them has expressed an adverse onlinen as to the perfect practicability of the device when its principles come to be applied on a larger scale. So far as the latest information hereabout is concerned, there has as yet been no business organization formed for handling the patent and developing the thing in a large way; but the ownership is said to be within very close control with no particular effort at an exploitation that might turn out to be premature. Beyond the local and the Maine press comparatively little publicity has been given to the fact that a powerful producer from the tides has been in successful operation on the Kennebec River for three months. Had the reverse been the case, some scientists might have appeared on the scene there before this and perhaps have exploded the theory that the thing is practicable. Until somebody does succeed in doing that, the little plant is open to the inspection of the whole world-and it would seem to be part of good business judgment for its owners and promoters to let the world know a little more about learn something by "looking over" this mechanism at Bath-or Edison might inspect it and give the profess-

or and other power scientists some-

101

Ca King

ESTABLISHED INTO

A KITTHEFFEN & COMPANY.

ASHLINES, DVE STEPPS & CHEMICALS.

Cable Address: Klipstein New York.

ALL QUOTATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MAIN OFFICE New York . 128 Prain. St.

New York; October 23rd 1911.

Thomas A. Edison, Esq.,

Orange, New Jersey,

Dear Sir:

I thought the enclosed might interest

vou.

Yours very truly,

ECK-L

E. C. Klipstein

ENCLOSURE.

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[ATTACHMENT/ENCLOSURE]

"bide the services" Thom the Laboratory 1

Thornas Il Edison.

Thomas E eta-25 1311

[A Bew Fantasia by Edison. I Shomas E eta-on has again visited I camany as if accompanied by a shadow of the hand spearator of the Mar April Model as if it would one the special left of associated thurses the attraction of which for the antisposesse domina pote allowed something to flow out of the common of the great English electricism.

The aborted electrical discharges work uniquestingly of account of their encourted advantages work uniquestingly of account of their encourted advantages work uniquestingly.

architutur. I m Aschitutur libe everything else ikk Germans de met sline individuality. I hey as good miritus ikat is all.

While gong through numerous Berlin factories and

The only respectible buildings which I (Also Thomas (dison) saw were copies of the Roman and B seek

los much bur. Result . B eer architecture.

* & Salicitatory * & Strom/tho/Laboratory/ Thomas A. E. dison!

factory towns, I was asteristed to see so little new factory towns, I was asteristed to see so little new all over linescent machinery. I had extect their exercises their exercises sering. If one brings footh a new muchine it is extent to be only an unforcement on the old one. I he new machine well be bought only when the old one is worn out. Here is so much local made about the beauces entegrity of the Demans, but recoully at a dunner the Beauch made about the beauces entegrity of the Demans, but accountly at a dunner the Beauch made about the beauces and the Beauce of the Complete with the Englishment of the Conflict, business methods stand the highest

in the world.

I was told to me that the same of the German mobility was to make money without asking love.
A great humier greed sows to fustamine allower.
In that instance it is then my opinion that the Englishman refusers the Englishman refuser

[ATTACHMENT/ENCLOSURE]

"Gdison New York" . Thom/the Laboratory/

Thomas A. Edison! Orange/N.J. I do not join in the Canantation that the Dermans will turn the business world. We have nothing to learn from the Germans lest they leave much to learn from us; so far for the words of the doctaines of I homas a. Edison. It it that we can be satisfied. I or nothing is more fravorable draw to be underestimated ly ones political and business enousies. And when Mr. Edin as a stude of 6 ughishmen that he is, does not wish to learn anything, from us then we will have to look for a lot to learn from him and our business associates in the world market. How many induvidual thoughts spring up by contact with strange thoughts . Over this Mr. Edwar need no more break his head which is more imentive than smart. They are probably not been thoughts like the shadow of which live been tapped labely ly the New York World Judwig 1 ltt.

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- 44 N. 19JJ	thomas a	edison h	otel esplanade			
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40 b bu	lapest 4. 8605	71 27 4-2	0-			

as you are about Leaving europe we tender you our most hearthy greetings and wish you and yours a safe an plasant voyage we recall with pleasure the few ours passed in your company and hope likewise that you will retain for us a friendly remembrance good bye to you your charming wife and family etiennede fodor and francis jeht budapest kazinczy utca 10 +

Thos. A. Batson, Esq. . Dalement is convact, I Dan Har Tracend

Press you have stated that in Switz Austria Hungary woman are Litched un v I have three Hungarians in my employ who positi have never witnessed any such periormand of them will agree to this is that one cow has his with load the cow while Will you kindly state whether you say any terviewer asserts, and it so where?

A reply will treatly obligation humble servent.

Ung Divisi noll,

91 Tre

E BIEBER HAMBURG

JUNGFERNSTIEG Nr. 9 ECKE NEUERWALL

BANK-KONTO:

FERNSPRECHER: GRUPPE VI. Nr. 5511

A Control of the control of the

HAMBURG, DEN 15 Frombu 19/

Thomas & Edison New York

Dear Sir

I beg to send you of different Protos, which I had the pleasure to take during your visit in Hamburg and will be very lettered to hear from you hove they are liked by you and you family will be projected from the numbers more af them, please use the numbers tehind the price of each photo ordered would be of 6.

I am Sir your

very sincerely

Mieber Hamburg

THE Try

Hor E. Bicher,

Könige. Hoffelograf ,

Jungfern steig, 9 Hamburg, Germany

Lean Sit; have received your

fewer of the 15% milent, together with the five different photographs

my thought for these factories, and to say that they are the finest

examples of the photographic and that I have

Your very bulg.

BudapestiÁltalános Villamossági Pietzvénytársaság

Stiročnyczim : EGYENÁRAM. TELEFON 3-52, 3-53, 3-54 Budapest December 12th.1911

get is it

Wr. Thomas A.Edison. Orange.New Jersev.U.S.A.

Dear Sirie

I beg to inform you that our General Director.Mr.Etienne de Fodor, received a registered letter to-day from the Bardi Co., that repaired the Daimler automobile that you hired while over here, that if our Co.does not pay the bill of repairs within three days, they will sue us for the same. I may mention that we have written several times to Mr.

Léonce Girardot of 18 Rue Troyon, Paris, concerning this affairalso to the Daimler Co.Limited at Coventry, England, and to Mr. Monnot of 31 Rue Daru, Paris, while up to now nothing has been settled, and we are now menaced with a law suit. We beg you to write the responsible parties a categorical letter demanding the fulfilment of their obligations, and thus have us freed from a matter that does not concern us, and in which we only showed our good-will.

We can assure you that since the Daimler motor was repaired, we have been continually molested by the Bardi Co. who did the job, because the parties who are responsible for the payment of the costs of repairs have been shoving it from one to another. I remain.

Francis Jehr

Plactice & 19AT - (French Edison)

December 12, 1911.

Mr. Edison,-

n;-ym swe me Letter from Fodor received. Cabled

Monnot

"Girardot Budapest not paid. Annoying to friends. If won't pay, cable and I will pay.

Ediaon."

This is rotten.

I am writing Mr. Bodor the facts in the case, and that you had turned it over to Mr. Monnot, immediately upon receipt of the first letter, but that owing to Mr. Monnot's delay in returning to Europe, the matter has see evidently been attended to 1 told him you have cabled Monnot to let you know at once if Daimler Company has refused to pay, and that you will pay immediately if they do not.

I am also writing Monnot on the subject.

I am quite sure that Monnot will be able to straighten this thing out without loading the burden on you.

I am writing the Navy League that you will accept the Honorary Vice-presidency of the League. It will do us a lot of good. It is made up of a lot of excellent men.

Consistential and Tennerer

Nuperintendent and Treasurer, REV. WILLIEW P. CHAPTS, Ph. 11 dudan Andres, to to manageris. New Helinder, Ci-

Ant. Andreas. PRONE, LINCOLN 1655

International Reform Bureau, Inc.

Platform and Program; "The International Reform Bureau neeks to pro mote those Christian reforms on which the churches sociologically while theologically differing. It profers co-spension to all associations are the superconduction of the superconduct I for the determe of the Subhath and purity: for the au science, gambling, and political corruption; for the ac-tion and contiliation for both industrial and increased

A Bureau of Lectures, Literature, and Law for Promoting Moral and Social Reforms 206 PENNSYLVANIA AVENUE S. E., WASHINGTON, D. C.

Service L. Lawrence D. D.

REV. IL W. THWING. Oriental Secretary, Tiestale

Halles Sail Contras Sententes Mag William P. CHAPTS MRK. WILMOR P. CHAPTS.

Office Secretory. Mus Poss M Principle

December 13, 1911.

Mr. Thomas A. Edison, Orange, New Jersey.

DEC \$45 911

NO awiyib

ing of yours to the effect that alcohol had no more rights in the human system than and in the wheels of machinery. The liquor papers are quoting you as saying that "natural wimes and beere do not lead to drumken." ness; on the contrary, used exclusively, they take the place of alcoholic poison and produce a temperance peo-ple". This was published in the American Brewers' Review of September 1st, 1911, and just under the heading "Edison admires the wine region of France.

As these two statements do not seem to agree, I write to ask you if the quotation is correct and fairly represents your opinion. I am enclosing two leaflets giving some of the conclusions of European scientists on this subject, and in another envelope I am sending you what I think you will say is a very calm and moderate statement of the arguments against moderate drinking, published by the American Tract Society.

Thanking you in advance for the courtesy of a reply, I am-Respectfully yours,

Willow F. Cafts perverted quetation I stated that while the

Dear Sir:

THE WESTERN UNION TELEGRAPH COMPANY

THE WEST LINE AMERICA. CABLE SERVICE TO ALL THE WORLD
25,000 OFFICES IN AMERICA. CABLE SERVICE TO A SECOND THE INTERPRETATION OF THE PROPERTY OF THE
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Old W. U.S.C. Edison

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THE WESTERN UNION TELEGRAPH COMPANY 95,000 OFFICES IN AMERICA CABLE SERVICE TO ALL THE WORLD BLOWN TRANSPORT SHEETING THE SHEETING T

Cable Monerat

Say

Pay As Bandi

Buda Parth et immedialen

Chouga my account want

Stop shut

Edward

Sent Man 17/76/11

Cable Jodor as foccows

Have instructed Wound!
My Paris agent pay Bardi
BillSorry for annoyance,
Darmer agent a rascal,

Edison

BudapestiÁltalánosVillamosságiStéxwénytárraság.

 Budapest , December 29th. 1911.

Mr. Thomas A. Edison,

Orango, New Jersey, N.J. U.S.A.

Tear Sir:-

Mr. Etienne de Fodor has requested me to acknowledge the reception of your favor bearing date Pec. 13th. inst., and in reply to the same wishes to inform you that Mr. Monnet of Paris has already engaged a lawyer here to streighten out the ratter pertaining to the bill which the Paimier do. have been dilly-dallying about so long.

From letters which we have received from Mr. Monnot, we surmise that it is his intention now to settle with the Eardi Co. first, thereby liberating us, end then wind up the affair in Paris with the responsible parties. We also confirm your cablegram which we received yesterday. Maye instructed Monnot my Paris agent pay Eardi bill sorry for annoyance Paimler agent a rascal, Edison.

ir. de Yodor wiehes me to express his thanks to you for the reprints on the subject of the Edison Etorage Sattery, and says that he is very much interested in the came, and will be pleased to receive each issue as they appear. He says that he has already called for bids on a locometive for hauling coal at the Central Station of his Co., and has specified that the same should be worked by the Edison storage battery. I remain.

Rekomm.

yours very truly

| Connect |
| Secretary. |



Is sorry, that he was only such a short time in your congany in Redarca. The officer will always remember the honor. Wisher you a nice trip and a happy home coming. Would fell very much honored to receive a card from you, if this card reaches you Obersteutnant Colonel Tisher Transbruck

Says the overcourt of he Valentine was sent - from the Hobel (Ungarishe Krone, to the Book Hotal

Anton Umlauft Grupter doch h Refejeteur

mydell dem Chastlefunstenundel

ses Mrs. Vilentine, der lis Shinbrunn Blen. 42.

Montay win of it of mobile much mande in Hold humania. However the model precedy bear but a great als borne faculty of the lityrous book and the language the lityrous to characterings mule in

20, Wants you to invent a cheaper auto Unimportant letters without gasolin and rubbatires (English 21.) Autograph crank (Ochemian won 4.1 Crank wants answer It several 22.) Wienna woman Autograph crank letters written in 1908 and 1909 5. Beggar asks for an old Dynams edo 24.) Passionate Hungarian woman States C. 6.1 Wanted to see you in Books about or 25.) Vienna Autogr. Ceante. new machine, which takes its power from austrian Sutogs . Grank The air, as inggested by you. 27. / Baggar. Old Woman, sich with spinal 1.) A student in Vienno daks for an Statograph descare and paralized legs. Numberg 8.) Beggar asks for money to get married 28) Autogo. Crank, Bavarian woman 9.) Wanted to talk to you about magnet. 29.) Beggar Drugist can not make out ism and a magnetic motor . in his business and needs sweet 1000 marks 10.) I lay of 15 sulmits a Forjedo - soheme witer in English. 30. / Autogn Crawth, writer in Coopersh 11.) Offers his cooperation for making Halicopter 31.) To 30 years old and offers himself as advisor through Tomany and to America 12.1 Boggas wants money to buy 32. Beggar woman with a sich husband place in an asyl and to Ohiestern; writes in english 13.) of woman wants a consenthouse to 33.) An emplyee of come Electro-technical Institution start a chicken-raising butiness. is Vienna wanted to see you or have a few 14.) Wants an Antograph. lines from your hand 15) Crank, dreams of sea-like-motors 341 Vienna Autogs. Crank 35/ Vienna Stuloge. Crank 16) Wanto a job; has no special Trade 36) Peruvian girl Autogr Collector. 17 Autograph-erank 19) Berlin - wo 181 400 14 Beggar wants money to frish 38) Inventor of safety attachment for flying madines asks for assistance the greatest, most colobrated inventions 39 Los Angeles woman Autogo - Ceant 40. Audian Autogr. Cx.

55. Lilly postry by a Berlin woman Gorman woman Antogs. Exaut. 41. Perpetual-motion Grank 42 Beggar asks for 50 marks 4 5 Beggas woman with 6 childen, is afraid 57 Antogs. Crank 58 Wanted you to come to his shop to to have to commit suicide , if not helped 44 Sutogr. Crank (Vienna) look 45 59 young Berlines of 23 wants to be your 46 A spiritualist wonted you to come private secretary or Experimenter and teach to Leipzig and got a place for her Son you germon 47 Vienna Sutogs Crank Whost the European papers say about 48 Beelin noman Autogs. Frank the Great Powers submarine boats 49 young inventor of rotary engine and 61 Lungarian woman Aletogr. Grank 75% noiseless gun offers to juny you for Berlin - rumo placing his inventions. 63 Brussian Army-officer 50 Bohamian Autoger. Frank Bolin woman

ORANGE TELEPHONE, "3111" ORANGE.

53 Dresden woman Autogr Crank

young Berliner asks for money

Berlin woman wanted to see you

Lascouron

about an invention

Иви Токк Сонсентелтив Мокка.

66 Sutogr. Ceanh

CHARLES BATCHELOR,

HORIGE A EAMON?

65 Has lost \$ 10,000 by speculating at the

Stock - Exchange and onks you to give it back

67 Lost his hands is a flowermill and afterwards

68 Begger wants hely to patent burgles proof lautors,

his portano ey speculation; wents existance

NEW YORK OFFICE: No. 110 EAST 2360 STREET.

70 Solo Mis Edwar & take up a moltgage of \$2500 on her property in Bolle 71 . Wienna Statogs Crouk 72 The Editor of the Austria, only Austrian paper in the U.S. begs to be at your disposition while is Vienna Beggerwoman, 99 years old asks for charity 74 of Hamburg schoolboy wanted to see you .75 Wanted to show you a new style of officing made Wanted to see you about a gaz burbine and a Letining Descreates some (beex) poetry to your reverence? 18 Wanted you to take Them with you to Auserica Yama woman wants advise how husband of 36. might get up in the roorld after many failure 80. Old woman wants you to invent something to kill cattle quick and paintenly 81 Has found the 6th sense and would experiment with you on this subject 82 Sutograph Crank 83 Modest beggan wants \$ 45,000 84 Electr. Eng's Student, Entrousiastic admises, would state 85 Stutogr. Crank Composer of the Edison - March Invitation to come and see the preture show , Edison Treates 88 Wants an Antogy, from the Righ - Reverend My Edison Invitation to the Cafe Edison , Vienna ; first one to have Chetric

90 Venna Autor crank

93 Berlin "

96 Austrian (Styrian) Antigo Claute : 113 Wanted you to take him along with you. 97 A minister Sutograph-collector, 40 years Exper 114 Autograph Grank (Hamburg) 98 Wouth Autograph or Souvenir of your visit to Deelin 115 Beggar asks for a Tramophone Beggar wants money to send boy to Electricion 117 Invention for sale, concerning fine marties, Too import. 100 Balin Autogs Grank 101 Autogr. Crank from Maine to be lost 4? 102 Wants to build a Cement house near Borlin 118 Autograph cranks, Borlin girls. 103 . What Thonograph reproduce talking in frint on Balm Stulent 104 Bohamian Autoga Coack 121 Aurenting Julgraph Crank 105 Wants Autograph on enclosed picture and 122 Invento wanted interview, no object stated, Budaprest 106 Vienna Antryn Brank 107 Patentable ideas for sale: The Lefty apparatus, substi-Inte for Rulbertires, Sapty-hatpin, mousehaps of glass. 125 Bogger, consumption, out of justition, flushy, former compagned 108 Austria Autogo crank died, while alroad with him, affait of will , family 2 childen at 109 Wants accumulator for atteniospheric Electricity before 126 Stutograph-ownt, Vienna 129 young excughteman, 19, two years apprenticaship, wants job. 132 young calinet marker in Vieuna wants a job. 138 Begs your grace for an Autograph 135 Wanted to See you in Paris about improvement 136 Berlin Antograph - beggar 107 Business card of breeder of diminutive dogs

94 Inventor of improved desigible circhis wants

95 Kas made on shaving attactiment for Home-Thomogra

money to bried new model

109 Autograph - Brank Borlin

110 Hay an old Amati - Cello for sale; \$ 20,000 111 El fan-motor Enthousiaste 112 young thingarian wents to come to work here, Eson without ,

116 Beggar-woman, husband dead, 4 small chillery, sick old

120 Inventor of might-life-saving buoy wants to borrow

123 Exalted Vienna Woman look, up to the magnificent godlishe, greatest genius of the century for an Autograph! 124 Recommends his son 174 years old, civil - cuptures, Surveyor, Beaut

127 Sustinus flattaing - Kitten , 18 years old, Bego amusingly f. Stutograph 128 Vienna beggar woman , 6 childry , awaits the 7 th lungsick

130 Crank ; proposes to make water combentible, Elastic ylass , to keep a flying machine in the air by Electrongnetism 131 Experimenter on talking machin discs wouth help, mount

134 Inventor of Rat . Whice externinating devise worth Encourre

Edison General File Series 1911, Exhibitions (E-11-44)

This folder contains correspondence and other documents relating to Edison's involvement in exhibitions, trade shows, anniversary celebrations, and meetings of electrical and other industries. The selected items consist of letters from Edison associates such as investor Arthur Williams, along with correspondence containing substantive marginalia by Edison. Among the documents for 1911 are letters by Thomas Commerford Martin and others concerning a ceremony at which Edison was presented with a cubic foot of copper "in recognition of the stimulation given by your inventions and discoveries to the use of copper all over the world."

Approximately 10 percent of the documents have been selected. Invitations that were unanswered or routinely declined by Edison have not been selected.

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CARLE ADDRESS: "EXPOSITION"

1911.

ATLANTIC CITY EXPOSITION

THEO YEAR

JUNE 15 to OCTOBER 15, 1911

P. E. LANS, Phillips WM. P. MORTON, Tresser BOARDWALK AND KENTUCKY AVENUE ATLANTIC CITY, N. J.

___Jan. 18,__

JAN 10 011

Mr. Thomas A. Edison,

Orange. N. J.

Dear Sir.-

Your fewor of the 13th inst received. Will be very glad to see you at any time you find it convenient to call. Trust you will kindly advise when you are coming, so that I may surely be here to see you.

Your truly,

F.E. Laur

Schröden

ELECTRICAL SHOW

BOARD OF DIRECTORS:

I. H. HUNT, Chairman

M. L. COX, General Manager

OHIO STATE UNIVERSITY

Aug 4/1 MA

Mr. Thomas A. Edison, Orange, N. J.

Dear Sir:

Done that My State of the work of the work

As you may note from our heading, we are planning to hold an Electrical Show on the evenings of May 12 and 15 in the University

we have about 15000 square feet of available floor-space, including a main floor 170090', two balconies and several recitation and other rooms. We are planning to give a show complising historical, educational and commercial features, and hope to make it the best ever held in Ohlo. It will be extensively advertized thru'out the city and the surrounding territory. There will be no charge for exhibiting space.

We understand that you are interested in such exhibits and have //cahhrr/
had an historical exhibit or great interest at previous shows, we
would be very gladto see this exhibit ourselves , and to show it in n
our exhibition.

Thanking you in advance for any information you may be able to give us in regard to this matter, I remain,

Yours truly,

M. L. Cox.

ECTRIC LIGHT ASSOCIATION

Chicago In. If M TATE Place Vice-Pas Dayson Chica

....

HES JOIK, October 9. 16

Inhoratory Edinor Orange. N. J.

Door Mr. Edison:-

I am very alad indeed that you have consented to be present to receive the cubic fact of corpor which the leading producers and consumers of copper in America desire to present to you on your return to America in recognition of the stimulation given by your inventions and discoveries to the use of copper all over the world. This ceremony will be very simple and briof and I think you will find the little nick-mack quite an interesting object. It weighs 480 rounds and is as beautiful to look at as Mt. Blanc. The presentation luncheon will be given at the Herr Grand Central Palace, Lexington Avenue and 46th Street at one P.M. and Mr. Meadoworoft has promined to deliver you there in good season. If you will let us know what train you are coming on the New York Edinon Company will have a machine to neet you at this side of the ferry or tube.

Spoaking of the tube, I heard a good story the other day. One of the students in Columbia College was asked to give the political and strategic reasons why Tashington orossed the Delaware. His answer was that the subway under the Hudson had not been built, which after all is not such a fool proposition as it sounds. At any rate it brings Orange to New York than perhaps



you enjoy, but the rest of us don't mind.

With congratulations on your safe return from the innocuous perils

of Europe, believe me,

Faithfully yours,

1.65

ARTHUR WILLIAMS
FIFTY-FIVE DUANE STREET
NEW YORK

11th October 1911

9° 18 ...

Thomas A Edison Esq Llewellyn Park Orange K J

Dear Mr Edison

The enclosed tologram from General Harrics, as President of the Association of Edison Illuminating Compenies, reached me just after you left this afternoon. We expected the General here to great you on behalf of his Association. He is at the Atlantic City Street Railmay Convention, and this word will sabled his absence.

With renewed and many thanks for coming over today and thus contributing so signally to the success of this Exposition.

very sixterely foure

(Enclosure)

[ATTACHMENT/ENCLOSURE]



e17P.Sx.75. 6 ex.

Atlantic City, N. J., Oct. 11, 1911.

V. P. Assn. Of Rdison Illuminating Co.

55 Duane St., New York.

Unexpected change in convention program compels me to remain here am much disappointed at the upsetting of my plan to be with you and to join in greeting the great man whose name is writ large and enduring on our banner. Will you present to him my personal and official compliments and give expression to the regret I feel because urgent business prevents my being of the company to-day.

Geo. H. Harries

Prest Association of Edison
Illiminating Companies.

1145am,

Perus I. THE WESTERN UNION TELEGRAPH COMPANY.

24,000 OFFICES IN AMERICA.

24,000 OFFICES IN AMERICA.

PRICE HAVE TO ALL THE WORLD.

PRICE HAVE TO ALL THE W

The W. Bilz Sand Mixing and Sifting Machine Co.

1314 FINDLAY AVENUE NEW YORK CITY

October 25. 1931.

Mr. Thomas A. Edison.

Dear Sir:-

Valley Road.

Some time ago a newspaper article

came to my notice in which it was stated that at a banquet a cubic foot of pure copper was presented to you, but, which, upon analysis proved to be nothing but a composition.

I have been experimenting for some tim on the pouring of pure copper, and have now in readiness a plate about three and a half inches square and one and three eighths inches in thick t ness cast in the pure metal as it is received from the mine.

If you are interested, may I take the liberty of sending the sample to you?

Yours truly,

[ATTACHMENT/ENCLOSURE]

1911-(10)

The Evening World

The Gordo.

School Daily fractor Sunday py tee Press Publishing Company, Nos. 33 to 0

G Park NOV.

G Par

EDISON'S CUBE OF COPPER.

APOLEON said: "But you cannot outsniker the one brain."

Teel. Teels Norten of Yale thus much the regule uttersone: "In a great problem to
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to work on the same product of the same product of the same
off in this notices. "The results of
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testure for the community, provided the brain is put to work to
output the problems of the present like."

What Dillom by his various electrical inventions has done for the copper trade and, therefore, for the race, me graphwhile at the huncheon opening the Electrical Experiment to the foot of copper weighing 485 pounds set before the place that the foot of copper weighing 485 pounds set before the place that the place that the time of his first invention of the place that the time of his first invention of the place that the time of his first invention, and largely because of Ele-194,00,000 per hund increased, five follow of the place of the place to the place of the place

Exceptional minds, specifically spon miles, have wrought great results in our time. The property of the proper

German chemists have increased the returns of their dyeing industry in a single generation from \$6,000,000 to about \$40,000,000. The Hall process for the reduction of aluminum found an annual production in this contry of 61,281 pounds in 1890 and made an annual production of 7,180,000 pounds in 1990 at one-third the old

price.

If aristocracy is a blend of blood and benefits, whose claim to it equals the great inventors?

SERVITUDE, AND SERVICE.

A GOOD LAW forbide employment of children at other than the bours between 8 A. M. and 6 F. M., and there have been been seen that a state of the sta



RUSTED



Edison General File Series

This folder contains correspondence and other documents by and about Edison's family, Included are letters pertaining to the financial difficulties of Edison's sons Thomas A. Edison, Jr., and William L. Edison. Additional correspondence with Thomas, Jr., discusses Edison's alkaline storage battery, country houses, and the illumination of Christmas trees. One item concerns Edison's plans to visit his daughter Marion Oeser, who was living with her husband in Germany. Other documents relate to members of Mina Miller Edison's family. Included are letters about Robert A. Miller, U.S. Postmaster at Ponce, Puerto Rico, who died in 1911. Also included are reminiscences from Clara A. Avery and other family friends about Edison's childhood.

Approximately 50 percent of the documents have been selected. Most of the unselected items are receipts relating to the periodic transfer of funds from Edison to members of his family. These include a \$1,000 monthly allowance to Mina Edison, \$200 to Marion Oeser, \$150 to Nellie Edison Poyer, \$100 to Simeno O. Edison (subsequently reduced to \$40 when he moved from Ohio to New Jersey), and \$50 to Nancy Elizabeth Wadsworth. In addition, there are receipts for a \$25 weekly allowance to Sarah F. Stilwell and for \$4 in monthly rent payments on behalf of William L. Edison. Also not selected are unsolicited offers for genealogical services and other unsolicited correspondence, as well as duplicates and variants of selected documents.

January 3-1911

Law Del Diction: - 160th

Ching & Dry targent

Duch, as I am thick could

you advance in atom 3000

af my January Check
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4 hopely my commencing yours

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[ATTACHMENT/ENCLOSURE]

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Received	d _{from} Thomas A. Edison
Thirty and	- Dollars
\$ 30.00	January 1911 allower Poper
Nellic	Orango, N. J., 1/22-1211 19
Receive	rd from Thomas A. Edison
a lel .	. 7 -34 50 - Orllass
and neundre	Junty 30,00 alimes Jon 5-1911 Melin Edison Prysr

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I could not sign it as the paper formed a company - and sout gave the stockholders the right-tountices personally to more geter Stock fut I never received one Suy mire street at price Buil for stock bought by them. The The letters I have your may see Campany hald the Bank hold in application, One of the Cothis Paper as truster for them. moli-me offering a truce for I have letters from Mr Palmer my stock thill you kindly there my strek fransperied and Mor Johnson relating to the street, Bruch prous to to Suten I hold the Certificate, and i out - y the Bank - when the you want to see same will leave Process and demonstrations were it with a broker - he lities Came from the The letters came satisfactory - and at-lived-time old subscilve had the rightfrom the Edisin Johnson Electrice to bry more stock as I have stilled Manufacturing Co. 2029 Park Row Blat The manuel gentlemen wrote - that In! have beamed they were at the they were batisfactory - but I could not sign then, I have heard they Sinc /22 Mest = Kindle attend & this Mis P. L. Van Wagenin 560 W-179 2 21- n. 4 City-

Edison Auto Accessories Co.

49 CHRISTOPHER STREET NEW YORK

OFFICES AND FACTORY
49-50-51 CHRISTOPHER STREET

TELEPHONE, SPRING 1422

CABLE ADDRESS, EDISAUTO, N. Y.

EDISON DOUBLE SYSTEM PLUG
EDISON MIDGET PLUG
EDISON PRIMING PLUG

ALL THREADS

bear Mr. Dyer -:

Have goot received the books - and 9

wish to thank you very much for some. I have been away and the books were in the sythere office for some time and for this reason a home not acknowledged some before.

you were very fire in away alatinest and ?
have been unable to find a single thing that
we all detrimental. In fut the alatinush,
we at all detrimental. In fut the alatinush,
to at all detrimental. In fut the alatinush,
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Smeerely yours will Edison

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THE WESTERN UNION TELEGRAPH COMPANY.

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BA,000 OFFICES IN AMERICA. CADLES SERVICE TO ALL THE WORLD.

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BACKETT OF A SERVICE AND SERVICE TO ALL THE WORLD.

January 15, 1911.

Gentlemen:-

I regret to rouble you a second time with a request of " +> 1/1 this nature, but I find that I am obliged to.

Some weeks ago I asked you to place me in communication with Mr. That A. Edison Jr., which you did, and he wrote me a letter dated at Stevens . N. J. asking that I send Muthere certain matter. I sent it in a letter, but the letter was returned to me by the railway mail service with the advice that it was last of misdirected and, upon examination of the post offices here I find that there is no such office.

I have an important matter to be settled with Mr. Edison Jr. and I ask that you kidly kindly, with the stamped envelope herewith sent mail this letter to him, to the end that I may fond exactly where he is and hear from him.

Trusting that you will give this matter immediate attention , and that I will not be forced to annov you further in the matter. I am

Edison Auto Accessories Co.

49 CHRISTOPHER STREET

OFFICES AND FACTORY
49-50-51 CHRISTOPHER STREET

TELEPHONE, SPRING 1422
CABLE ADDRESS, EDISAUTO, N. Y.

EDISON DOUBLE SYSTEM PLUG EDISON MIDGET PLUG EDISON PRIMING PLUG

Door me Doger -:

would it be asking you too much

to have the strange battery people send me a set of ignition batteries for my boat? It we or any of the old style cells would do and I would of the old style cells would do and I would of the old style cells would do and I would of affect the warmy dry cells when everyone however that the Edward battery is the best from that the Edward battery is the best oud think it strange that of all people on oud think it strange that of all people on the rine, I don't care to the rine, I don't care to the rine, I don't care to the rine, I sowietly as far, if getting a set, as I wrote sowiet some time getting a set, as I wrote sowiet with a riphy caps but have none been favorable I meting that I may receive a favorable

reply, 9 am, as always

smeerely will Edison Solvabury and.

1/23/10

[ATTACHMENT/ENCLOSURE]

511

Jan. 25, 1911.

Mr. William L. Edison,

Haryland.

My dear Will:

Your favor of the EUrd inst. has been received. Just at the present time I do not see how we can send you a set of ignition betteries, because we are so fer beind in filling orders for the same that every cell we make must be sent out to a customer. When the situation improves, I will be very gial to take up this matter and let you have a set.

Yours very truly,

FID/IV

William has le

Edison Auto Accessories Co.

OFFICES AND PACTORY
40-05-51 CHRISTOPHER STREET
TELEPHONE, SPRING 1422
CABLE ADDRESS, EDISAUTO, N. Y.

Spane for amythming front

are for amplify first ALL THEADS

my dear thather -: Thought 9 would write and find

out if you have any money to share, if not all of the amount, as much as you feel able to part of the amount of the first call mow as with. It is getting near the last call mow as with the legin to lay here in Halwany and brids will begin to key here in Halwany and brids will persube see how I can purchase any I can't pursube a sum to boy for brids as of have yet quile a sum to boy for this as of the house here and the teople the fifting up I the house here and the teople want their morey and I have to come up and want their morey and I have to come up and want their morey about it.

that all thre is about it.

at has cost me nearly four hundred dollars at has cost me nearly four hundred and 9 to fit this place up in livable condition and 9 to fit this place up in livable condition has been uptown today that the entire form has been made an offer on of thirty thousand.

been made an offer on of thirty thousand.

Pretty rotten luck to spend this money on the place and not able to purchase it as we place and got at the end of the aummen will have to get off at the end of the very as the new purchaser would want the very as the new purchaser would want be form sight we are on, it bring the best on the form

Edison Auto Accessories Co.

49 CHRISTOPHER STREET

49-50-51 CHRISTOPHER STREET

TELEPHONE, SPRING 1422

MANUFACTURERS OF
EDISON DOUBLE SYSTEM PLUG
EDISON MIDGET PLUG
EDISON PRIMING PLUG
ALL THREADS

I had great hopes in selling enough Phenounto and gras to purchase this house and these and eggs to purchase to that it looks now acres - or 500. For the lot hut it looks now that 9 will have to want for reveal years that 9 will have to want for an other and get another place. There is no other and got another place. There is no other would move away from here entirely. It would catamely be too load, as 9 like this place would cartainly be too load, as 9 like this place would containly be too load, as 9 like this place would would be willing to attack but if its impossible and would be willing to attack but if its impossible and would have so no other course to take, hand is why there is no other course to take, hand is not true thigher and higher all the time and going up higher and higher all for hundred for 500. house t all will reall for two thissand. The very right form is selling too this place.

your loving son william

426/11

Jam, Will

Edison Auto Accessories Co.

49 CHRISTOPHER STREET

OFFICES AND FACTORY
49-50-51 CMRISTOPHER STREET
TELEPHONE, SPRING 1422
CABLE ADDRESS, EDISAUTO, N. V.

PE 1-01

MANUFACTURERS OF
EDISON DOUBLE SYSTEM PLUG
EDISON MIDGET PLUG
EDISON PRIMING PLUG
ALL THREADS

my dear Harry -:

Samy to trouble you, old man, but

our colored man tom, has just received word that his aister is many ill and he wants to leave for his him self the Thursday noon bout and he will need home money than we have on bound so if your well more money than we have on bound so if your well more money than we have on bound so if your well more money than we have on the Hunsday and the chick so not get here on the Hunsday and the chick so not get here on the Hunsday morning meil, would appreciate it very much.

Thanking you for the above fovor, 9 am.

Sincerely yours

1/28/11

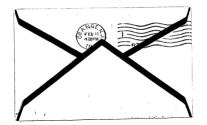


Milan Chie Febry 8 1411 Opened you by mail to day former. and Some old small ones - Hope the new grees will Suit Jon nice Wictor new-The wenden has been very cloudy for Taking pictures which Caused the Olelay -Julia is very Compagiotly hepless. and Seems to rumain in about the same Constition bot of course is failing all the tome_ But I have got the quand lage I guns my one Cur had. Dean to all springs from Kness down and nothing to show for it there not a blimish no severy and no pain. Just a perfect teter & shore to mina when she was here Some time ago. And rested hunto speak. To you show a hot in the Counting how which Stands to gon Fastan then is four grave on it. Our Dunham. 2 hostins + a Dister group Chollen Their no one to Claim it but for Red of Course for wie not use it two is soon for two they say still on the lot - therete for is sales about it . Gones Penly & Edians about it-

HER 2 40 Kerleiner St it who walk I sent our owtes to long & Thompson asking himtolook hi this his his reply. You as more than surprised to learn that Am Thom boon has the certific which he writes about for Yalu thought I might be able to something on them

Mr J. a. Colison_ Laboratory West Tranger Will sur left me pennagless.
Will you please lit me bears if
I can do anything with them if
I get them from the Thompson:
Hoping to hear from you som
regarding this matter.

I yours sincerely
Chie



240 Herkinus St Holzer Hamilton Out Canada Dear al flufri I have not offundes you, I only nauted to know if 9 am in need. Farm very sorry yours smerely T. a. Edison Esgr.

THE WESTERN UNION TELEGRAPH COMPANY.

24 000 OFFICES IN AMERICA.	CABLE SERVICE TO ALL THE WORLD.
This Company THANSMITS and DELIVERS messages only on condit	ions limiting its unbury, and the Company will not held itself liable for errors or delays rating station for comparison, and the Company will not need their liable for errors or delays
Errors can be guarded against only of the sample, to yould its amount of in transmission or delivery of the properties for transmission and the common fact with the (transmission for transmission, after the measure is flict with the (transmission for transmission). This is an UNREPEATED MESSAGE, and is delivered by request of This is an UNREPEATED MESSAGE, and is delivered by request of the common formal transmission of the common for the common formal transmission of the commo	the sender, under the coefficient named aborn. , President and General Manager.
NUMBER BENT BY RECT BY	(O CHECK
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RECEIVED at	0 57
Dated Change	5 Edison
10 1701	
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and meet y	on Vin Cleveland
free street	Phloman
agation of the	enes I

Lewis Willer
Supersulle for Zitter

Wina or myself to

Come

Edwar

1035000 (59)

Mouse Hu Fish 23
Mer Those A Edison
Dear Sin I
read yours of Pesh 17 th and
delivered it to Mr Edison
thus afternoon it was a surprise
to them, and very acceptable
many thanks from there
I also wish to thank you
and may Good bless you
for your kindness
Very gratefully
Mers H A leager

august. four Smiles from Shere to the Condu of the Chine to witness the army

The could be other than a mannewed. In the course of the morning he said. Min Gorhum I want to Fran a Francin -To our surprise the Iras gunerated as the daughter introduce you to aw That a Eduon: a mane of amineau. The sixte of a Which enry american is fully Guman officer; Sirul - Clesser ground and to hear it had In has rolled the little morning mas almost like lady in White earlier in Cahdaing the stars and stripes the day but as she was ou Cometry: Flag. lathing in the hint animated an John Leoppin Midwe Dehril made the little photograph manner in the German-ih did not occur to us that

accompanying his I formired to slind one to nine Clerron Cut-Lare lost her cadres. you are a gretty Tury man for trifles like this: Jut the Clipping from Was ami Larald furnishes Vine au address and Du any case I thank you or your Decky for the Countin my later and Sicture may becure. and beg to retend brown Dineers angratulations for the animory referred to Constant Dinterey forms Mrs Geo Es Jame Con Gorham

my dear Harmy write to good out

If you have heard anything about

Father going to Florida this year

I may want to run up to Onange
to see him soon - But of course if
he has gone - there co rub use of
taking the journel
het me heart of god hearth as even
you the Best of god hearth as even
toolieve me

Homer Etison TM- The a. Edim Orange. N. assumeined that son are inted with the writer, I will introduce musheld by ocuping that I am a som to 7 At dione land that for a munter of 2/ ears I have been are sundlove of The National Jule to IT This city. I wish to hundre a request that man seem to you frommening and murowal . It is this That I wount ale automobile, and the and of my salary will ust farmit of the grantication IT have desire. I own must home the but it is voly few lewings That I can afford. I hand been told that you proces several inachines and thinking you weight have one that you could or would dispend with, for hap you would give it to une. If you feel that soulean emple with this strange reguest I amother you that The writer and his family will to lever las hingly grate Jul, and that sout Kindness will of Sully appreciated by no Will you Kindly let we hear four you Respectfully Yours Houser P. Edin

crievas ausyr Mus Clara Ocore cucacetos your mother two Ruck, also Dri a your rotter Brotten I also remember the ald home with the Kit chen outtreside Hill Ellink Dr Travers level week to you a Conger of one

THE LANSDEN CO.

Clertric Magaus

S. R. BAILEY & CO.

DA M. MILLES

Monah 9 1911

TELEPHONE NORTH 500

Mr.Thomas A Edison
Orange N.J.
My dear Mr.Edison:-

high.

bulling one story with with

people here in Cleveland to build a Garage making specialty of the control of the

Aux 4/5/11

#4302-4th.Ave.Brooklyn,N.Y.

March 31st. 1911.

Thomas A.Edison, Esq.,

Menlo Park,N.J.

Courseller of sheres (Preferred) and

I am the owner and holder of b shares [Preferred] and 5 shares [Common] of The Edison, Jr. Electric Light and Power Company" for which I paid \$10.00 per share for the Preferred, the Common halfs given to me as a bonus.

These I purchased on the leth-day of Ferruary, 1899 and it was intimated that you were in some way connected with the chove corporation, as a person would be led to believe on account of the name "Edison" being used.

The corporation, as far as I have been able to learn, never done any business, nor did they intend to I shye and avored to locate then, but so far, have been unsuccessful. As I am a rorream and need the money badly, I appeal to you as being in some way, indirectly, responsible for this evident fraud.

I am told that son of yours was one of the moving spirits in this matter and that you have made good these claims.

Am prepared to substantiate the above, as I hold the original certificates of stock, which I will forward at your request.

Your early attention to the above would be greatly appreciated by,

Patnek Kearus.

I PAY FOR MYSELF

Jun 14 (?)

W. G. FULLER

The Fuller Automatic Twine Reel

A NEW AND SINGLE INVENTION OF CORE TWENTE AND SINGLE INVENTION OF CORE TWENTE APR 2011

APR 2011

APR 6 Per Mark

APR 6 Per

That has moved me to write you we are all Mother That has moved me to write you in regard to ancesters my mother holds to the Idea that you must in some way! related and has spoken of it a great many times and about 4 weeks ago my sister was reading your Boyhood days in a small paper Called the Class mate which stated you came from shis, Thus she was fourters you were in some way connected to her folks, hence this letter and here is what she tills me to write you.

Grand Tather Edison was a Revolutionary Soldier, had 4 sons, Luther, Nathaniel. James, and Alden, two daughters Lacrecia and Fetia, my Grandmother on my mothers side was Lucrecia Edison and they moved from N. y. State to Olio when I was a half grown girl, and I will be 89 years old The 9th of april. The month.



W. G. FULLER

The Fuller Automatic Twine Reel

AURORA ÎLI

Grandfather's sector Laurie Edwar Married John Homeock one of the signer of The Declaration of Independence.

This is Vall I Can recall at present but if you could name some of The Old ones I might remember Theme. My name is

Rachel Fuller. my Maiden

Name was Taylor. Hy Mothers ingaining it would please her Very much and she would have some thing to occupy her mind she Can not her good enough to read and all she has to do is to six and think & plane for the Children which seems to enjoy her Very much hoping to hear from you soon as Convenient of any yours,

I seed stamp for reply. Very Truly

N.G. Fuller. 59. N. Highland . ave./ Aurora, Ill. Just the within portion from the vocame any estations of this STE.

my few of 1911Drus ft. 7. Texters 1911

Drus ft. 7. Texters 1911

My drus me meters found my
Chick this months as som
as you seem they you may
much they go may
much the Toper

6.33 church ct.

10, 12 g₁₁

My dear Fother - 9 have not written you for so long. I feel you will be able to stand

if won west able— The lan y got in thicked plan was my only hope and awon this was mught amail- for the Engine went all to piece to last awomen; your old age (englishings). The thansamicalism was entirely gone, all that was left me to wont on was the line wheels. The frame and the feedy that the firm of the control of the firm of the control was the firm of the control of the firm own and devoted weeks in overhauling it.

these was only one though left for more to be full the work in the form of the

mo Bachman pant me a new extender, for the one? I had was exacted the thorthee cylindra were baily worn but fragared they are the tast at least the effective fragared they are the last at least three theward of the one of the could make it. I wastalled it with promote a spending two weeks down after as the large thame was enthely too make for such a large Engine. However, a formation of the was enthely too make for such a large Engine. However, a formation the formation of the large one. I have a formation of the large one? I have a nadiater on the Can as the found a translet for a mare for for the large one? I had and the Engine was too lange for the amade one. I perfect the large one of the made of the large of the large

they were too lange or too panall. they have was constructed for a certain thank was constructed for a certain thank massion case and there wasn't a passibility of changing the fame-y mever thought but what I could early procure a harmanianian of prometual of the party of the believe I would ever have gone

when the mice weather comes it will be drawd full to think we cannot get a weary love the Country and I want to pase to I am lank west agriphed here to heary according to the season of the season of

Beatrice and I both send our best love and wish you all bunds of good health-Hope you will come down some day

· to pee us-

affectionately your son

lom

fan (?)

Mr. J. L. Edison Dears in

Thinking for some Time of worting year
about your bedien Phongraph and the
reson wing I write you direct, is eathe
account of a relation this year Wife, a
Talier Gerris Mills and my
Mother Were Coursing, methor menden
any Evorina Phoemale es the
Maried James Porter of Bath, Well to
explain why I write you so many
have said if he was my castin
I went See if he did not think

he could send one of his Phonograph, it would be a good and in the encirity in which we have my three say, but he raid if you answered it would be a refusal and I may be a refusal and I may be a Phonography if you find hims to reply, you find hims to reply we will all sense. If we were able to say one it would be the Odison, I we want to make the odison, I would be the Odison,

D. L. D. No 3

HINR THE WESTERN UNION TELEGRAPH COMPANY

O. N. VAIL. PAREIDEN	NT BY BECO BY	is not presented in writing within sender, under the conditions name	TAGHECK .	1006am
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Willer They dear Mr Copy at this special for the following the f

Wy dear Mr. Edison:-

I have just come from Washington, where I met both the President and Postmaster General in the interest of Mr. Robert A. Miller of Proce.

I was surprised to learn the charges of misappropriating the funds stood against Mr. Miller, said charges having been thrashed out six years ago, prior to Mr. Millers last appointment. This shows weakness of Mr. Miller's opponents in trumping up this old charge.

I am convinced that it is a case of personal animus and that there are no just grounds for Mr. Miller's removal, and especially under charges that Mr. Miller would have difficulty in answering, if he were removed for that reason.

I have done all that I could do to straighten this matter out in Washington, but strong influence has been brought to bear for personal reasons to have Mr. Miller removed and a Porto Rican appointed in his stand.

It is a long story, but I will have nothing whatever to do with it, if I were not convinced of its injustice.

I write to ask if you will not use some influence to delay and give Mr. Miller a fair hearing.

This I do knowing your interest in the Miller family, and believing they would countenance my step in this matter.

Very sincerely yours,

Alexander H. Leo,

Ocean Grove, N. J.

To. Mr. Thos. A. Edison,

East Orange, N. J.



Mr. Thos. A. Edison,

East Orange,

[ATTACHMENT/ENCLOSURE]

ATTACHMENT/ENCLOSURE]

Friend Degracio, ometimal Policidal Vicedal Vi

Ywice sign



9 My 15 NY N 18

Boston Mass My13-1911

Thos A Edison

Llewellyn Park Orange NJ.

Anything but packard pierce best peerless or suplex good feel strongly about it Have written.

Chas Edison

MIN 1 F CIT

Aughar 16= My chan Du Miller: I must & hearn as som as preifer for my Molher an First Hopen - as my In hus about they me out the rent guils as mell and fer-Laps the Ange may help him Till you Knully yet my chief & me as quekly after you news this as praidle I'm anyalways he no such a kinch-hut Illopes in a family take Enry thing ou has - I Rope I gman mek - 1 Mry linearly your Tours

چصدار (؟)

Share help this of for woman, I he looks at 44,3 Thomas out. Care. A feader of the St. Thomas.

orwiting 3

WAS A COUSIN OF THOMAS A. ET IS hy

The Late Wm. Yokom Came From Bayham Township—Funeral on Sunday

The control of the co The remains of the late Wm. Yok-

Fund For Mrs. Yokum A number of cantrakky mapson?
A number of cantrakky mapson?
Persona ever taken for the widner of the west of t

Burling ton - N. J. W. SP 1811
WW.SP 1811
May 2 4 1811

your letter to Bratnice was necessed and we both appreciate what you had to pay concerning the Ford cultimostile matter. We have decided to accept the proprosition as atted by Fiether the Mis letter to me - (desident of a week from our morme) - There is none point however that 9 thought it beat to bring to your attention which to be attended to make there could be no prossible objections - Father aposts of a Run about as Bearing the best thing for us - But 9 don't believe be getting for us - But 9 don't believe be getting Run about is quite out of the question

Por our nequirements - you are Mrs Dyer nothing to delivered to us here the have to go and get everything auch as groceries. Jee express packages and a hundred and out other occessities punavior and a one other reseasition Besides during the pume of more most always hoose pome of our priests of the pume of our priests of the pume of our priests of the pumper of our party of a note and beautiful at home which of course would be accessed. be messessary if we only had a Run about - I have onwestigated the whole matter very carefully The Ford Towning Car onlyweig The Ford Towning Can only the light to more and only about 2 Daliference in price. The part chassis is used for all their models. The price of the Towning can complete in Ny. Newarl and Philadelphia is

and punchase the outlit. We are mighty anxious to get it as soon as he can - as no one knows how bady in freed we are of it. I would like to deal with their Philadelphia Branch, as it is closen to be and more convenient for us in the galure form q to thear from you know with our punchase tregards.

f.s. Father paid to get car and charge pame to him. But don't see how 9 can do this without an order of some kind.

THOMAS A. EDISON, Incorporated

ا كوكو

May 25, 1911.

Mr. Thomas A. Bāison, Jr., Burlington, N. J. 22

Door Fort

Yours of the 24th inst is received, and I am sure that there will be no objection under the direumstances to your purchasing a Ford Touring Car instead of a Runabout as your fitting at first suggested. The outfit sit is the extra tires will amount to \$855.00, according to your figures. You might see the Ford agent in Philadelphia, and I am cortain that if you show his this letter and say that we will take charge of the nutter up to \$855.00 he will book your order and deliver the car when we could him a check.

Yours very truly.

FID/INV

Pront dont.

EBVAK F. DYER. MAY 27 1911 RECEIVED.



Philadelphia - Pa. May 26th 1911

My dean mon Dyen-

gour letter was necessed this morning - I came down here this afternoom to reach about the outer without a fact to be not the order without a fact of the order without a fact for the Towning Can and Then and they and it by to Onange this afternoom. On soon as they necessed the check they wise defive, the Can to me - if you will see that the is done with Dyen. Both rice and I will both appreciate it very

gettly for un soubtidly you make how glad we will be to get the Con as noon as we can?

I had the bee pent to Thosa Elisan Onange - N. J. Do legislat into Briefler will receive it in the morning - I hope this to cit.

As soon as we are able to will take a rum up to Drange and Jerosnall thank you for your kindness in the matter. bith kind regards from us both believe me.



May 27, 1911.

Mr. Thomas A. Edison, Jr.,

Burlington, N. J.

My dear Tom:

I was very glad to get your letter of the 26th inst., and am sorry that the agent was not willing to deliver the car until a check was sent him. I have just called up Harry Millor and have told him that it was all right to pay the bill, so that I do not think there will be any difficulty.

I look forward with a great deal of pleasure to seeing you both when you come.

Yours very truly,

FLD/IW

No. lore

DINE GROVE COLLIE KENNELS.

LAKE RONKONKOMA, L.I., M.Y., June 19, 1911.

TO.

Thomas A. Edison, Esq.,

12 Lakeside Avenue.

Orange, N.J.

Dear Sir: --

I her your pardon for intruding, but some little time ago. I took the liberty of writing you in the hopes of selling to you a fine Collie puppy. I, however did not get a reply.

I sent you my catalogue.

Just now I have a number of very good Collie puppies, bred from the finest of stock. males \$20 each: females \$15 each.

They are in perfect health and condition.

I give full authentic certified pedigree.

I guarantee them to be exactly as represented.

I ship same day order is received.

Can I not interest you?

Hoping to be favored with your order, I am

June Houne

I need to know all your folk in Milan Chio, and refin I tall folks out here Mout I knew your people there they will knew and act as if they did not believe Mr. I know the Balooms the Edisons your futher in the summer lime used to come as often us one amonth to the farm and take dinner at our place, and me used to call him uncle Sum you mother mas a short-herry Let moman your father a tall well built moun in Mrs Bulcon

about Eight years, I am ontwas a tall large moman In here all alone and not very Balcom mas tall and Slonder mell off but have my home your Sisters mas Marian & I told one of My wighbors Harriet your brothers mame the other day that if I was it was Ditt. the Balaons names so old and from I'd have one mere Marétte and Nancy, chart, of your talking Machines. and Hum. I don't remite any hour. Jan distor Marian Murined Homer Page, and first-because you invented now what I mant you to do is to wouch for the write Mariett Balcom Marsel Joel The a letter that I can Smith a farmer now you Show to prevale, well I guess See that I know all your I have mitten enough please folks but have it seen you Since you made abut & or 9 anomer this letter and oblige a long life friend of the family and accept My best miches hoping little Eliza she died when your you May live to be a hundren of do lato more good God Bless you from Mre M. B. Bridges fold lined in the Brick house on the lop of hill above the cand there is no canal thus now all 230 / Hosmer Street Tacoma filled in . We are all folks now Itashington Tommy I am older than

they tell the you mas born in detroit- Mich but I know better you mas a baby when your folks lived in the brick house on the Hill in Milan Ohio P.S. they that you pronounce your name Ed ison and I tell them that - your fathers name was fromouned & dis on how do you prononnee your name now I hope I have it meared you with My long letter.

New York July 15-1911 Thomas a Edison new york When are you coming Marion, Muelhausenels, Leave August second

Dear Cousin alva. I had a letter from your smele fine from milan telling one you were going abroad in august. He said I had fetter write + ask you if I could go to hulan & line in your house as your wince * his daughter goill not occupy the house much longer If you have no other plans for the lettle from I would be more than glad to go there to live as it trouble seem like going back . To ony Endbood days r should

be very hoppy there is hake good are
of every thing left there.

I wish grow a

pleanest vorge is a safe return, such he

the prager of govern Engine.

1819 East 35 st

bliveland

we have an important belowed to meet what the money on the work of the money must be betterming on the where day. Thanking you for the above favor, I am.

Smeerely yours

will Edwan

7/22/11

THE WESTERN UNION TELEGRAPH COMPANY

25,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD

BE COMMENT AMERICAN TO A CHARLES SERVICE TO ALL THE WORLD

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TO A CHARLES SERVICE TO A CH

A. J. WHIMBEY

LITHOGRAPHING AND PRINTING

OFFICE 45 St. Secrepant St,

LABELS OF ALL KINDS, SHOW CARDS,

MONTREAL July 28th 19d1

Mm T. A. R41mon.

Orange, H. J.

ans 32

Dear Sir:-

I duly received your letter of the 6th inst, returning enclosures sent you with my letter of the 30th June. It may be as you say, the letters were "faked by somebody" but in order that you may judge as to that I send you a photograph of one of the originals. Your memory will be very short if you gorget either your father's handwriting or his phraseology. Moreover I did not send you the copies without having at command such documentary and other evidence as would prove their authemicity beyond the shadow or a doubt. Perhaps you will now see that your first impression "faked by somebody" is not only premnture but incorrect, and I extend to you the opportunity of further considering the question of your interest. Failing to hear from you within the next few days I shall conclude I am at liberty to make any use of them." I think fit.

I am, Yours Truly,

1 Enclosure.

[ATTACHMENT/ENCLOSURE]

[PHOTOCOPY]

1864 St Clan Con Dear Su - I received when you handled my Petter stating that he would youte to very the truth of my alleg turn as hattenne is not energy exchauted but it ing little deficiently in animing at a you have created that my son was in a Trunk for a costain length of time dock as without see using a resent or no evacure in your books that he has even while exacen that you sent him home without remark and after windy agreed in an intervenue and on in your office in Toronto to pay me when on himused to acceptain the matter do a finality But does it require a for good og was here to accome who there

[ATTACHMENT/ENCLOSURE]

ION BACK OF PREVIOUS DOCUMENTI

This is the handwriting in James by James by James for James of Ja

TATTACHMENT/ENCLOSURE)

The writing is not that affine father & Grans not the slightest occremblance Thereto

Jam - Will

Pluse send check
this week to Comeral Delivery
annapolis Maryland. We are crussing
for a few weeks and well be in
for a few weeks
annapolis until Sunday
well Edwar
anajolis /
5/3/11
and the same of th
and the second s

August 3rd 1911 Gift of Suntament of Horas Shock are \$50.57500 To following artificity of stock of Edward Roung real Horty fresented to Morthes Edward on his twenty first broth day. August 3rd 1411 #27 for 50 shares 117 158 - 10 100° = \$50.595.00 Cert #27 - 50 shares @ 100. 5,000.00 13.375.00 56 - 1333/4 9.240,00 n n .60, 117- 154 9.480.00 60. 124 - 158 1.570.00 \$ 38,665,00

Raw Heate Stal alls 31/2 dia Cast Near Mr Backman Il do me a very quest favor I intermed to mention the matter to wow while in Onange the other day ampious to get afrece like the tradom framyng of brace pipe 24.433 I have no possible way of getting of down here and I need it way ba in pomething I am worker a out I man form Fill well hand thus mate thus around the salest it will have another the salest it will have me out wonderfulled.

"I will talk you to hat happened to our lettle Ford Car) am all broken up over it.)
thunk it was dreadful.

[ATTACHMENT/ENCLOSURE]

Mi Miller was felled.
This order was felled time o mall charged 2567
This order was felled.
The order charged 2567
This of the complete state of the compl

RECEIVED.

ANG 8 1911

FRANK L DYFR.

Dear Mr. Dyen - In occurred a letter

Jom Mr. Holden in which he states

that you have placed the automobile

omatter in his hands - be both

affinited this very greatly Mr. Dyen

All Seal competent Mr. Holden will

Le of the court to secure a satisfaction.

adjustment - we certainly miss the

A Sew days ago! I necessed those or gold lettels obtaining at orders. I believe for batteries I glave them to Min Mill to take back to Onamize and placed in proper hands. Owner them I have readingled the emclosed and would like it know whene I other I have placefulled the medicased and would like it know whene I other of this knight mat international letters of this knight mat international of me Coam be sowarded in the

little car dreadlulle

Jutine - Evidently there letters are omportant - and Nam sorry there placed be such a delay - with may you all bunks of good bunk - with less wishes - do ever

517

America 8, 1911.

Mr. Thomas A. Edison, Jr.,

Burlington, S. J.

Dear Mr. Edison:

Your letter of the 6th inst. to Mr. Dyor has been received, as well as the letter intended for Thomas A. Edison, Incorporated, which was sent to you in error. Any other letters of this kind that you may receive can simply be sent to "Thomas A. Edison, Incorporated, Orange, N. J." The Mediling Department will then receive them and they will be sent to the proper department for attention.

Mr. Holden will no doubt keep you informed as to the progress he makes with the garage in reference to your Ford, and I hope this will be replaced with a new ear or arranged in some way so that your car will be like now.

Yours very truly,

Private Secretary.

8/10/11.

Delaware City Del.

Harry miller -

Jeud cheen at

once general delivery Wilmington, Del.

Will Edison

W.U. J. Co. 8/10/1, 9.20 a.m

10 gam 8/10/1,

Ed. Tomaly will

to leave here by Thursday in order that Blanche may hack been sich rection out leats them Friday and if you will please ext chick here by Thursday morning

my dear Harry -:

would be greatly obliged. Smearly will Edison

Burlington n.g.

921/

70 sendy Storing Mas minston O. 6ling. 28th 1911 Mr. Jam. a. Edison nundo Cart. n. L -Seas his; I have just received a letter asking me it il had been noticed an advertisement inserted by yourself or your representatives, making inquiries with regard to the where about of a lady say man to you a sister, and if there was any reward for such information. I do him think in fach I know, - I never have noticed my such add saw nothing wont the neatter In thinking it was however, it seems buch to write durity to you. I have you will pardon me if I seem intruding but if it true, I am own you will be glad to hear, and, if you have him stared any such unhappiness - I am also sine you will be glad to say so. Now, about The lady referred to by my carespondent Her wame is mrs stelle Joena Hill

She was Som in Kenny 3- Ineland Habout 47 pars ago. Lume to this Country - when about eleven fears of age - (wone 1875) Landed at Catle Parden, and Lived in the vicinity of the Battery - for which I year - and then moved with her parente to Releve, alkansa. Her farente are finied in Muline Cometany - Memphis Tennessee. She made any unfortunate and unhappy marriage, and became estranged from his family. Ihe has a Langther named Clotilla - now about 15 years olds. at present this unhappy woman - is twing in The depths of mixing and presity, sick and broken hearted - but too proved - to let her surple tune her condition. In well tune from the facts stated about whether this lady is known to you or not I can get any other information - dates, roomes, or facts - need of to identify her - if mucusary. Now, how I close, I would like to say a word - with regard to my informant, who is my our dister - It may seem atrange to four - That, any one - traving an apportunity to do another a good Turn - should first look to the mercenau just of it Inh circumstances sometimes after cases, and in This case - my neward for such information - incld In like the "last straw" to a drawing man - it if you will pardon me . - My sister and myself - come of a family - once weather - und inferential , and very closely related to our late President Mr. McKinden -Dto cho - in Wall Street - got a larger fortune - and our father died penniless - leaving of children . my realer was educated in Colleges here and in Europe + Then made the same sook of a maninge as Miso Hill - + has likely a life of miny to make my for its in present obeing a wider - with me child - the fortune, suit - offer the the continues of the continues

future and it is through her association in like constition - with Mrs Hill - That The heave aware of the just that mos the had once, like ourselves - seen happing Amore prosperindays. Wis family is all separated. Floch to each other - + & unable the give a helping hand to were Whose eve love - vão this matter has appealed it me - and! I hope and preay it is rall true - and That this lady is really me you love twants - 400 her unhappy days at least, would wer forever, In my went, blive me, Mr Edinon, a Ruice admirer of yourself - your fine life, your work your lingto to our comfet or pleasure - Tallow me to subscribe me self - I Review friend (mn) Water 6. Coney, of mo Chas Watery, 129 3rd & 11.5. 6.6. Western Inn

Septembre 30.1911

Ourmagazines

mele make vary thing so much more unifo in and much some bryat also please day the year ask the for please day the monthly by for pleands addressed Edienty Thank you as viry much for your row ready assistance also for your time infreading on many up you the same would also you then any to same suited also are also same suited seature.

The melned letter came yesterday the 29,1% - hearty guitings from us

gurn us rach your experies nich this Octobre wave, and as no doubt they will be rememed as remal, will you kindly leed that our name is vulied as Ediendy, wish ad of W. Ihmile

which me Edward so librally Las



Lette enclosed was from marked to the diships

Jean

THE Family. Tongt.

PRESIDENT'S OFFICE

Memorandum

1990

mute 10/4/11

Mr. H. F. Miller:

In a letter received this morning from Mrs. Thomas A. Edison, Jr., she asks that the magazines which have been going to them be sent in their own name in future, instead of in the name of Burton Willard. Will you please arrange this.

P. L. D. 1 1.

5 /

October 3. 1911.

No dear Beatrice:

Yours of the 30th ult. was duly received, and I have had the two things done that you request.

As soon as you and Tom get definite estimates covering the improvements on the house I will take up the matter with Mr. Edison, who is expected to return on Saturday of this week. As I told you, it would be well to have two or three schemes prepared, one covering the absolutely necessary things to do and the others more in detail and elaboration, so that if Mr. Edison details that he ought not so to too much expense he can know exactly what must be done.

Regards to you both.

Yours very truly,

FLD/ITM

Mrs. Thomas A. Edison, Jr., Burmington, H. J. POWING MERRILL President

AUGUSTUS W. KELLEY, Vice-President, JOHN V. B. THAYER, Vice-President, EDWARD R. MERRITT, Vice-President, CARHOLL C. RAWLINGS, Trust Officer.

HERRY M. POPHAM,
T. W. HARTSHORNE,

Muion Trust Company of New York AC BROADWAY

All Communications should be additioned to UNION TRUST COMPANY OF NEW YORK, P. O. Bas 1015 Cable Address, "UNITRUST."

New York, August 30. 1911.

Mr. Thomas A. Edison.

Orange.

New Jersey.

aus 91.

Dear Sire-

Our records show that your son, Charles Edison, became of age August 3. 1911, but before paying one half of the net income to him. in accordance with the trust indenture, executed by you for his benefit, we call your attention to the following clause, which appears on page 3 of the indenture:

Provided however that if from any alienation thereof by said Provided however that if from any alienation thereof by said beneficiary, or from any other cause whatsover, the net income herein directed to be paid to said beneficiary, or any part thereof shall only the theory provise would, at any time become payable 1. or pass to or for the benefit of, any other person or persons than said beneficiary, then said beneficiary's right to receive same shall absolutely cease and termine.

Please advise us if we shall commence paying the one half of the net income to your son, Charles, and oblige

OGB/RWM

Write teller a centering gayment to Charles of 1/2 of wellings

[ATTACHMENT/ENCLOSURE]

What and James Charles
· " Our //
Musin Trust too Just You
Survey Mer york City
Seller of august Both please columner
Looks became of age august 300 1911
me feat of the Het morne of the
bond; held in trust by you for line in accordance with the trust industries
executed by me for his benefit
Mr.

Ed- Jon - Semen 98 Glenwood Ave Ent orangel My Dear J.a. I expected to have been at the Leboratory before this time and was going to being ges that you reduce the itent, I am getting to what our hack what I was getting with a Can get along on The HOA - For which from a Monsand times Coliqued - Of some better paid in The future-The Enf Ihad in Daldota Knocked not of Musting big Money -I Can only banky get about now have The junes & ligh may one ever wacked on I thinks 27! Loret seem to Know what is the Matter of Thom . have got hosting to show I lat the Ceast biomish on them no sweary or prin - But on Horings when I stand or walk on them when Letting would had is now that any thing was the neatter with them. The brippe has been a bout all our me and am afraid Inothe able to warr aball much longer on Time feel petty well other wish -Yours Tuly DoEsiss

from your contain my also undustand, your or some other humber of your family have served times admitted to know the when abouts of your stater stella Hill, Mis Hill who was quite ile look apring and thinking the around not live Confided to her daughter who her relative were and to try to Com unucate with them she is romantically proved on account of her poverty the surer lite any one Know who her feefle are "un quite by accident I leave of it . The has beach trouble Pany liable to Jaso array almost any time although seemingly we robush theath make her living tracking lase ! demutand abusin " of ugly For months she has tried to get money enough to get array from him She has a daughter Cloties, age to them I came only Compare with a Lily grish books broading open

Learlify, in character " Complexion, Do frail, and delicate in affermer, unlike the Enginety of guilo of these days. She is very very laborate and of give an offer turky with make herself James as violuich, his their says she was lavid in Colory Came to this County in her climeth year line sugar the Bathey N. J. a year then moved to Helena Her Jacento are buried in this aline Cometary memphis Lever, the is 4% parts old. I with your for two reasons one is ayuntally for two this " belitie the hope you will take their army. and do Some thing for her So she can trake a lining. my tenhats educate lebelle the other reason is a huramy one of your are billing to pay for the information of care give your of can put you we direct Communication Onth This Hell ny Come get you any energy making which you may desire for her identity forme thing much the done Soon to take her out, by the make this or her day will be for Some thing about to down to take her from the clutches of a butter hear

You may addies were to Nocona, Porte 4 Box 8. 1% put fruie Gorden as to your makes in this sultter my nice comply with them I reget my one Juneal Inditures make me place this Thefore fow in a prenouncy light - but I realize that I need all I can get and am a Indow, and a hundred dollars is nothing to you. If your are inclined to do any thing at all Suicerely trusting, you mee be able to give this due Consideration It are early date Respect fully your Locused Foute 4 Mis the less me very among stones of your hother a freie of a brunk in his try hard days she claims they did not call you thomas at hipe but have forgotten you week Hame Lately she heard Lowe ladin discussing your " ad Jaid you were are infide she alrund finged herely lay aforte up lignically, why how is that the was not reced one Then she thought of husely "of human it off.

The has quite are inscribin human also Has

Thought out a fair for foor families or ordere
there is no electric appliances. To be run like

me 8 day clock, That enight be quite a good

Thuis if furt on the market I do hope, Shio will

be the nearly of defling her out of her forery "y

REGAL "20" Underslung Roadster \$900 REGAL "30"

REGAL "30"
Touring Car \$1000
Demi-Tonneau \$1000
Fore-door Touring \$1050
Torpedo \$1050

Regal Sales Co. of N. Y.



Phone (7166) Columbus

1670 BROADWAY

NEW YORK October 27, 1911.

nr 28 3/

Mr. Thomas A.Edison,

% Edison Laboratory,

Orange, N.J.

Dear Sir:-

Your check for \$100.00 received.

Will have Mr. Charles Edison note sent you

in due course. Thanking you, we are

Yours very truly,

RECAL SALES CO. OF N.Y.

Mysellander

Burlington - N. J. October - 29 1911 his sudden spell of cold weather has told us most personal that our dear little house will trul be inhabitable this winter as you all know we never travel-our home is our very all. The house is very old- over one hundred years dates the bont part and as Abor farmers have always lived here . attle or mothing Has been shent on the blace until we took hossession - We love our home and the present condition of it grieves us beyond words - we are cold One Dyer as Owe havent a Surnace and the weather boards are blowing off the house and the noof leaks a stream - we try more than you or father knows

to been our cares and porrows here in Burlington but mow the handships of the winter are facing us - 9 Seed Domust write and ask you to talk to father about the condition of affairs down here the have consulted peveral Contractors and Plumbers going over the hours more than a dizen times alter in more than a dizen times alter in recessities - the enclosed estimate from Mr Miller was the lowest Bidden and scarcely gives him any project but as he is proof and tryputo get a start he thinks our work will be a good advertisioner for him and so bur benefit. The Plumber as you note waker reasonable & native of Burlingto so not over burdened with wealth hote Min Dyen you will som find an athortune manner when the various living improvements and forwarthy health both yourself and then the first good fromes and then but he have only established on the managest manages to the power that we have only established on the name over the power thing hostering its structure and most loyal of all the camplel consideration of fathers output. Them have a first you and lather for turn a gapent upon they can be turned and lather for turne a gapent upon the power that and bushed and fundament for put to the power to the and and are fundament lived be granted yours with heart turned from Reating yours



Jamily - William

Edison Auto Accessories Company

MAIN OFFICE EDISON DOUBLE SYSTEM PLUG THOROUGHFARE BLDG.

57th ST. & BROADWAY

my dear Harry -:

well you please send check so as

to reach us by Thursday. as the writer weather is here, yours truly had to buy a sent and some underwear and this has put such a crimp in our financial want that things are on the burn in general. Preferred credition no 1,784 has a note to meet Thursday and endealty from his pleadings theat, blackmark notes and original intentions, we are the only ones in the world that ever owed him a cent longer than seven minutes and five seconds and he must have the dwargh. Sad, what it? Sincerely

will Edison

5

November 3, 1911.

Mrs. Thomas A. Edison, Jr., Burlifeton, H. J.

Dear Mrs. Edison:

I gave iir. Byer your telephone mousage this morning in reference to the improvements for which you sent him estimates some days ago, and he has directed me to tell you that this has not been forgotten but that it has been almost impossible to get at kir. Edison with anything except the most urgent and important matters. No intends to see him just us soon as he can, however, and will write you regarding it.

Yours vory truly,

Private Secretary.

you had more your to a game distute you had more required our to a game distute you are greatly mane our the chadden of the America our the chadden his little frame hence mishout a fun-his little frame house shong to if you made a son general thing to if you mile fle use take to me Edwar would not greatly indicate you take to you Thanking you for our child to you Thanking you for our continued do hendance Dam always Continued do hendance Dam always

[ATTACHMENT/ENCLOSURE]

T MAR A EDISON Incorport

5/7

Hovember 11, 1911.

Dear Bestrice:

Replying to yours of the 8th inst. I must epologize for not bringing Tom's letter of October 29th to his father's attention, but I have not had a favorable opportunity to do so. He has been extremely busy with callers from morning till night and I have not had an opportunity to see him about business matters of great importance. For the pust two works I have also been quite ill, having had an attack of spendicitis with several complications, and the doctor has told me I must go every, so that I am leaving this afternoon to be gone two works. I have, homever, written a momorandum to Mr. Herry F. Millor asking him to take up the matter with Mr. Edison and urging him to permit the changes to be made.

Yours very truly,

FID/INV

Mrs. Thomas A. Edisón, Jr., Burlington, H. J. PRESIDENT'S OFFICE
Memorandum

Henry Jun Short work

Mr. Harry F. Miller:

I hand you planter from Tomoth, which

intended to take up with Markitson before Maying the Was

the condition of their house, and the attempts that have hiretedore been made to make it habitable have men more for loss temporary. They now want to have the a number of cluster made, as indicated in the attached sports mades on the following contractors:

> Changes in house Water heating New boiler Work in bath-room

For a number of years they bev

Total \$2060.00.

liany of the improvements they suggest strike be us bring more or less in the way of frills and I presume ar unnecessary, except that Tom and his wife have not very much to think about and would probably get a great deal of pleasure in seeing the improvements go chead. If Mr. Edison does not feel that he wants to spend as much as this, I suggest that he indicate what he would care to spend and for you then to write Tom asking him to have the estimates gone over again so as to come within this figure.

FLD/INV EncF. L. D.Ah

Cablo Address "Edison: New York"

mswere Trom/theLaboratory Thomas A. Edison/,

Crange, N.J. Nov. 16th 11.

Thos. A. Edison, Jr., Esq.,

R. F. D. No. 3, Burlington, N. J.

Dear Tom:-

Replying to your letter of the 29th ultimo, addressed to Mr. Dyer, your father directs me to write you that he is short of money and will be during the winter. But ne will probably be 0. K. in the Spring.

He would like to know what you figure the minimum amount would be to tide you through the winter months?

Yours very truly,

O. S. I return the Contracts

If T. Miller

. valo can in make the fumoce work. I don't want you to love time pringing Define me syer. down here het my continuous sicolation mit Hut would hear from - I have you appreciale to bother you with my wire Lad De newford out here leveral particularly now when I know your own health is not up to pur But my dear me times. Is is very gratle whe and Lyn Hully Las him truly miser atte at Densible the father of five children tonight booked as though the curis Therefore very conscientions - that you Lad him reached. Tambuly rome understand dear hur Ryer is not out feturen doing very particle of my drinking, het he has taken a new Louse mak and up part of the night form of a disease he hernes extreme with that Im a newous wreck. Our by moroer, Rulky and ray vry house is letter cold and only at inter roughand runkind to me. I teep out of his reach while Le suffers these fair hums al. though I done from Lim thee Junela not encourage - I don't want to complain to me Edicine until aborbutely necessary het do want you to know of the noviment & am silently suffering - I so Lope you Leath Las improved and Tursh you very joy of secured spirits lying you will come us come while for no trouble some Johnson Bulington Inm as mucal Hule Steadfast Beatrice Burlington, new Jucy Jecentry. 5 ..., 9,

DEN Sir. Mrs Edian mohers me to state to condition of Thos Edison for He is Larring another surous attach of fain in bock on hund kurch - yesterday it heave unbraiable po he took some "Boogs" and has then only desagneedly to mo Edian. Mulis there should to some change today Sund adnot sautamen tersturet will unte you details today latre

my die Hany -:

you do me a

great form? Delephone to Verneel
or any other print clare britisher in
or any other print clare britisher in
brange and find not young Turkeys
give per promet for young Turkeys
give per promet for young Turkeys
sele and incle sund them day furked
selle and incle sund them day furked
active. Passible your might sele
active the Subjection for the to the sund
the form ten to tirenty
porners
The British you for the store form
of renders,
Subjecting you for the store form
of renders,
Subjecting School

a-Frm. Tom or or up some - It many a till me. Edward work to many alour Dorothe Bill his letters, are all shirate Bum Lyn and revel studied out Piell him In yrolidays mail (mu Edin) there are dry sw of hours ur received a letter from shelo father in Valio huy to rent hit as resural asking shitty to go at once to Salis fork (Bell and his mfr are pestless huy to straighten Will ark a gain I would he she me to suffer should mi toyer thety is in miserable Bill mon to Princeton, which Leath his night car giving him an hu Ediem thinks would truly no med of timble and paine -Ir a calamity. Les m. Edison In Laviblett the Louce in works RECEIVED receipt of this letter buthy not Equal to excite much

of thethy poir lealth, as his fasker needs some one to go to Salis hung as once This is positive by the manner in which Bill so medely wrote his good fasher It is an artiage for a Son to write Ruch ruskind letters and I really ful it is up to both myself and thirty to lift all hudine has Bel makes from m. Edien, his dear me Lyre guet at this moment from Tome is just holding his own-no one het myself knows the exact trush of shirty sad wretched health - It is too sadjon nords to watch him fight and thuggle against nature Tom Las asked me to let his fasher Know why it is imposes the fush now for Lim to go to Sales hery to if you will he kind mongh to let me Edison read this letter or convey to him its con line Lines always to you deblor Deatrice -Dec. 14 6,911



Mr. Theo. M. Edison, Llewellyn Park, Orange, N. J.

Dear Sir:

We are in receipt of your communication of December 15th, and wish to thank you for your promptness in noityfung us of the motocycle which was delivered you in error. We note that you are interested in the machine, and take pleasure in mailing you, under asparate cover to-day, a copy of our 1912 Announcement, will contine illustrations by the same and if more detailed information on any particular point is decired, we are at your service.

Very truly yours,

THE HENDEE MFG. CO.

McN/L/13



My dear Mr. Eduar - May 3 suggest that you write to Mr. Edwar M. Alen - Pres. Nestinghouse B. O. M.

Co. - home address \$ 140 Artehueron ave. Begewood Park, Par regarding my moral

Eigenord Park, Or regarding my moral character.

Booth Mr. Edward A. Adams and Mr. Herr have an inturate acquaintance with my private life - they were frequently maintage in the many trials thro' which I had to previously the causes. In fact they frequently Lelfed me with advice at times when sharp distress clouded my

own horizon. My private affairs, I have endeavoired to keep from public gaze therefore, outside of my family, none but the two best friends named above were aware of the disadful cross in my affairs until it had passed.

I can truthfully assert and all who know me must agree that my life has always been conspressing clean and scrupulous. Believe me, my deer sur, Very successy your

Dec. 15th/

ATTACHMENT/ENCLOSURE]

My Dear Mr Wichals -I already have a history of your whale carrer, and no far as I am concerned it is forwardeli Tues Sugn -Marked Person

THE WESTERN UNION TELEGRAPH COMPANY

22,000 OFFICES IN AMERICA.

CABLE SERVICE TO ALL THE WORLD

BLOWN THE WORLD

AND COMPANY THE COMPANY

THE OFFI THE WORLD

SOT OF THE WORLD

THE OFFI THE WORLD

SOT OF THE WORLD

THE OFFI TH

The Home of the Tim for Dreember . 21 1911 and this mouning he mer Kames / notifies me has a Leacu Las Dra. mr. muller. him but on the check results of What a Change which will be communicated thing to Lappen in the way of the to you personally . You may real look cheek . Sam too corry for unde assured our circumstances. had all accure you she houtle lies between for Durling to Dance med neces formit of the nolding back of cheeks again regreting and the Cleaning Kince I have notified the wory this check naturally mr. I Sunden Laines Cashier has caused you Land Snienty and Surelin of muchamico, (Tui Galeen. national Bank in Benhington Quilington new Triny - muy ruas

Interest of the second of the

a small matter - at the parmetime Thenew positively it would be brought to your attention a fact which I always users whom - 9 write this explaination thinking bushy and make our chautines as bright and happy as we can and if our anxiety was too speat in trying New years and many of them.

(Blive my Best love to mother and all to accomplish this end by assimplifed much of you - I hope you will please pandon us for it. Concern on a bulliam and his affairo-9 can only pay Father - that 9 and mot able-now mon have I been for cometime a sere-mow man name , wern for comeiner to take a trip to Salus bury Mr Mrcq atophad of there on his would down thore and of parasarely hope he has done what he expected to do - br my grunion what he expected to do - br my grunion what he upnessed to so in magninion buttleam to a great fig Bully days of deligent meet and a superior meet in the phases night in Salo Bun, he will be up the superior meet a could have remited very cheaply liviliam to could have the superior of the bull and a counsed me mount of the bull and a counsed me mount of the bull and the superior when the superior was the superior with the superior was the superior I first started to set him right am adhievement o consider quite improssible I hope you all will have a win very otherry christmas and a Happy

TATTACHMENT/ENCLOSURE

the Christmas tous leadery was that twice coz have done that + ouse the cohale bacteres was rumed on The Railmand by the Express C'a When we get our house lighting centifet worked the we call fit you out so you can Light your houseall W. Jam: Wise

my dear Harry -;

Very much obliged to you for getting

information regarding the trukeys. will ship about fourty to the houters whose

names you gave shanking you for your touble and wishing

you a navy mas and a happy new year 9 remain as always

sincerely.

will Edison

20 cc. 22 mg 11

50-7-will

my dear Juller.

McCoy was here looking over houses to rest and he was shown the only desert one have and on which I had an option one for the hast two weeks. as get 9 have not signed the leave as 9 am atll

undicaded as to what I am going to do. To be very brank with you, I cannot see my way chan to stay here for another year and not have a There so two reasons for this , one to that I am no look within the property of the book and the other so that it is fairful my facility to have book and the other so that it is fairful.

and meet, on our suffer of formation, was to talk up the named correlated course is the two years and for man in this beautie. He course is for two years and I am quite ready to go alund on this professition To be tred of in salishing for another year

with nothing to yo, is simply and of the question. The auto business is probably the best opening

here in town as an average of there ears is asked per week and the greatest demand is for the light

two and four passenger cous. g have been offered the agency for the marshon

(that of bediever) included, but of comme the agency contint is rather stiff - 3 cars to be purchased in order to get the agency - one of each model. an connection with thes, the marine enqua +

supplies wild be made a good paying aide line.

Lovingly

welliam

Marathon Cars for 1912

Marathon Cars for 1912

MARATHON MODEL Rot, Buchaling 4-bloses; power mosts, 12-inch wheel, bars, and far 8 they for the feet of the control MARATHON MODEL L-30. is built in Fore-Do MARATHON MODEL L-30, is built in Fore-Door Touring and Fare-Door Roadster, completely equipped with 100, windshield and Prest O - Life tank, 30 horsepower motor, 116-inch wheel base, and 34×31/i tires. Priccis Fare-Door, \$1,200; Readster, \$1,000. MARATHON MODEL K-20, is built in Fore-Door MARATHON MODEL K.20, is built in Fore-Door Fouring and Fore-Door Roadster; 20-horsepower motor, 36-inch wheel base on Touring and 90-incl Roadster, 32 y 3 tires. Fully equipped with top, wind-hield and Preu-O-Lite tank. Prices; \$850 for Fore "og and \$685 for Roadster.

THE SATURDAY EVENING POST

Nonomber II 1011

WRITE FOR OUR DESCRIPTIVE COLORD THAT TELLS THE STORY OF THIS LITTLE CAR



muunn sa FOME COOR TERRITORY CTUL ORFN FOR AGGRESSIVE

A Fully Equipped 1912 Marathon for \$685

The latest addition to the Marathon line. A snappy Fore-Door Roadster that for grace of design, generous specifications and all-around car efficiency has never before been equalled for less than \$750.

Think of it! A four-cylinder, water- they be inclined to think that if you got Rice Cocooled, twenty horsenower motor with

MECHANICS NATIONAL BANK OF BURLINGTON NEW JERSEY

December 26th, 1911.

\$ 20, 1441

Mr. Honry F. Miller Orange. New Jersey

Dy dear Er. Eiller:-

Int county - Ten for.

Mrs. Thomas A. Edison, Jr. has asked me to look up one

of the checks sent to her for deposit with us under date of August 4th, 1911 which she says has not been returned to you in subsequent settlements by your Rank. From an examination of Mrs. Edison's account with us we find that there was no such check credited to her account between July 31st and Awardst 15th last passed, so that it would appear that a check under date of August 4th did not reach us. It is the practice of Mrs. Edison to endorse these checks immediately upon their receipt and transmit them by mail to us for deposit to the credit of her account, for which purpose she is furnished with envelopes with printed address and there is no appearent reason why such a check should go astray. If we can be of any further service in tracing the missing check we would be obliged if you would communicate with us direct.

Yours very truly,

- A Survey March

59

Dog. 28, 1911.

Mr. Thomas A. Edison, Jr., Burlington, N. J.

Deer Tom:

I thank you and Beatrico very much for thinking of me at Christmus and I approciate your protty and appropriate gifts.

I am sorry to tell you that I chall heave to go away again for my health -- this time to a senttarium, where I expect to spend the month of January. I certainly hope that when this siege is over with I will not have to go away again.

wiching you both all best wishes for the holiday sesson and with every hope for a happy and contented new year, I am, Yours very truly.





Mr Frank J. Dyer,

strength.

Care Edison Laboratory Orange NJ Many prayers and love for your complete recovery and health and

Thos & Beatrice

1143AM

Justingh all our tooks and sunds my fing though all our tooks and such in an pretitily short a check in Car Downand (Bank court for aling). In al no bine period we check in the funds of any one pair the mechanics rational Bank Therefor under no circumstances therefor under no circumstances

aspology. Buttier Edward muldre allow any one the to couch there - The time this Seculo 21 Thran Check mas lock and not quited Mappy new Grass and many many Jay pulleurs of nas when thethy had one of his Spelle with his head and Same too hery to guir one The Season Thought to Lines or Back -Hoping the list there will not cause any disturbance in the Laboralog or any formal Zenn to you Land yours nish

They dear Thr. tuiller The fund that of will by turn con runnit to have checho muly -Low rups seems a long These send This weeks

check so that me way have I sarly Saturday me noder
I sarly Saturday me noder
The surse of a little
Christmas woney in the house
Many Thanks fand a hurry
Leman - from
Thanks fand a hurry
Than - from
Thanks Thanks Eding

Jac Grom Chairm
of Branch Rainds
Lan tell fin relatives
he Demongs of & R.
Come Salvetay
So Elected



check in come of Jom, Burlington n. g. and oblige

no doubt you couridu me somewhat of a nuisance but the fact is , I wish to move to the country. as soon as possible. I have a fine country place officed me near summit n of for severity duelous per month the same has a fine house, all improvements and ten acres of land This is the same rent that 9 pay for two rooms to bath in this darm city my furniture is is welmington wel and there is a storage till of \$ 55,00 The transfertation changes of all not benow at present, but if you will. advance us \$150.00, Harry milla com hay you buch each week at the note of \$1500. A have come to you as several persons to whom I have gone for a loan want a hig bours for thee months time, otherwise 9 would not come to your as a brown it must be annoying to your. at is my intention to move my

spark they factory out on the place quent, in the spring so that I will not dave to come every day to the city. kindly let me hear from you as I have only a few days in which to make preferations. at the present time of am paying a long sum for nothing, so to speak, and 9 have no love for the city and a want to get out to the country in the warse way will Edison Friday morning

168 STANLEY AVENUE

HAMILTON

MISS E. L. STILWELL

ECCLESIASTICAL EMBROIDERY. VESTMENTS, ETC.



GOLD AND SILVER BULLION EMBROIDERY, BADGES, ETC.

Edison General File Series 1911. Fan Mail [not selected] (E-11-46)

This folder contains unsolicited correspondence and other documents from admirers of Edison. Included are newspaper clippings, musical compositions, and poetry, as well as requests regarding Edison's life story.

Edison General File Series 1911. Financial [not selected] (E-11-47)

This folder contains routine correspondence and other documents relating to Edison's personal financial interests and investments. Most of the documents for 1911 are letters of transmittal and lists of stocks, bonds, and losses. Several items concern Edison's contribution of \$200 to a charitable fund for the "Poor of Paris." Also included is a communication with J. H. Hunt of Chicago, concerning the North American Transportation and Trading Co.

Edison General File Series 1911, Ford, Henry (E-11-48)

This folder contains two letters concerning Edison's relationship with industrialist Henry Ford. In the first letter Ford acknowledges the receipt of Edison's autographed photograph and recently published biograph expresses his "heartfelt thanks" for the gifts, and reminisces about his first encounter with the inventor in 1896. The other letter, by automobile manufacturer William C. Anderson, discusses arrangements for a meeting between Edison and Ford in West Orange.

Both documents have been selected.

Henry Ford
Society

June
27th,
1911.

Mr. Thomas A. Edison,

Orange, fi.J.

Dr Beer Ir. Mison:-

take the opportunity of and anomalous fine i wish to of your photograph, which arrived during my absence on a watern trip. I camor refrain from oppressing my heartest thanks for the gift which i price all the more highly as it contains your autograph; and coming from one who is recognized as the Orendost of the World's great inventors.

The set of books containing the history of your life have also been received, and hold first place in my library.

I still have pleasant memories of the day I formed your acquaintance at Manhattan Beach, Aug. 15th, 1896, where I attended an Edison Convention.

earlier days was gained during ay connection with the Edison Company, of Detroit some twenty years ago, and it is to this that I attribute the greater portion of my later success.

Mr. Anderson, of this city, advises me of your very kind invitation to visit Orange and call on you. I shall indeed be pleased to take advantage of this at the first opportunity.

I feel dooply honored by the kind consideration you have shown and expressed, and shall anxiously await an opportunity when I can liquidate my indebtedness to you.

Sincerely yours

flemy Coro

rate Freeds - Jan 1

Anderson Slectric (Ar fo. PLEASURE AND COMMERCIAL CARS DETROIT, MICHIGAN

amile

Orange, N.J.

Dear Mr. Edison:

Referring to the appointment with Mr. we have arranged it as follows: I will leave here Sunday or Monday the 8th, arriving in New York in ample time Mr. Ford on the morning of the 9th and we will are at 10 or 11 o'clock.

Therefore have your matters arranged accordingly, so that you can have several hours interview with Mr. Ford on the ignition battery proposition, as well as another matter he wants to take up with you.

If, for any reason this appointment cannot be kept, you must wire me ahead. I am very anxious to know what will come out of this and here is noping it will be something that will be of benefit to all concerned.

Yours truly,

WCA/E

ANDERSON ELECTRIC CAR CO., V& anders

Edison General File Series 1911. Foreign Language Documents (Untranslated) [not selected] (E-11-49)

This folder contains foreign-language documents that were not an advantage of the contains office staff, along with others that were translated and subsequently separated from the English-language version. The Items for 1911 consist primarily of unsolicited correspondence from admirers in Germany and the Austro-Hungarian Empire. Included is a letter from the proprietor of "Café Edison," a coffeehouse in Vienna. Also included are request for Edison's autograph, charitable contributions, and advice on promoting ideas, inventions, and careers. A few correspondents offer services to Edison, seek an interview with him, or submit poetry in his honor.

Edison General File Series 1911, Fort Myers (E-11-50)

This folder contains correspondence and other documents relating to Edison's home, property, and community interests at Fort Myers, Florida. Most of the letters are by Harvie E. Heltman, a dealer in wholesale and retail groceries who was Edison's agent in overseeing contractors, repairs, workers, and other matters. Among the items for 1911 are letters regarding Edison's interest in the Shultz Hotel Co. and municipal campaigns to promote the planting of royal palm trees and the building of a recreational pier. Also included are items pertaining to the construction of Edison's concrete swimming pool, the remodeling of his dock, damages to a stone wall sustained during a hurricane, and the hiring of a new gardener to replace Michael Doyle, who returned to New Jersey. Many of the letters contain marrianal comments by Edison.

All of the documents have been selected.

FL14eRS



FAMOUS FISHING RESORT OF THE

Shultz Hotel Company

G, R. SHULTZ, MANAGES



Panta Rassa, Lee County. Ra. Feb. 11, 1911. 191

TER 20 19 ...

Dear Sir:

The annual meeting of the stockholders of the Shultz Hotel Company will be held at the Hotel on Tuesday, March 7, 1911. Bustness of Importance to be transacted, Mr. Chae. B. Hogg, deceased, held a mortgage of Ten Thousand Dollars, and his executors wish this matter attended to. I have kept up the interest and insurance. There is a note in the Fort Myers Bank of over Eight Hundred Dollars. Both the mortgage and note were necessary to liquidate the bills which have been contracted since the Hotel was built. If these were paid off, the Hotel could be run on a paying basis. If not able to be present, kindly instruct some stockholder to cast your vote.

Yours truly,



PILLING & CRANE IRON, STEEL ORES, COAL COKE DEAL ESTATE TRUST BUILDING BROAD & CHESTNUT STREETS

(my/16/11

March 16 1911.

Mr. Thomas A. Edison. Orange, New Jersey.

Dear Mr. Edison :

I enclose letter received from O. W. Davis.

of New York, in reference to an alleged deposit of iron ore near Fort Myers, together with copy of my reply.

It would be rather interesting to find a large deposit of ore in that section.

yours very truly,

ENCT..

I Chunk it vary likely that there is a big deposit as

The Conditions are fine for lemonste on my place in testing soil I struck a larger 6 ft down with 22 makes think 45% how Manahamed 62 someshow

[ATTACHMENT/ENCLOSURE]

For Mr. Thomas A. Edison. Orange, New Jersev.

PILLING & CRANE PILLING & CRANE REAL EDIATE INVOLUDING. DE CHESINOI SII

March 16, 1911.

Mr. O. W. Davis. 25 Broad Street New York City, N. Y.

Dear Mr. Davis :

e vert (clear I have your letter of the 12th instant, and note your description of iron ore in Florida. In order to handle this ore. it would be necessary to construct a dock, and probably a railroad, which would involve the expenditure of a considerable amount of money.

According to your statement, there is not tonnasa enough in sight to warrant this outlay, and I question whether anyone could be induced to go into it. Or course if it could be demonstrated that there were some millions of tons of shipping ore in sight, it might be possible to handle it. The people who have gone into Cuba for ore have been obliged to construct docks and railroads, and I consider that quite the same conditions would prevail in Florida.

I am rather surprised to learn of any iron ore south of Fort Myers. I spent one winter there, and have made several trips south of that point and probably over the territory you mention. On one occasion I drove with Mr. Thomas A. Edison to a point on Surveyors' Creek

[ATTACHMENT/ENCLOSURE]

Davis -

about 28 miles south of Fort Myers, and we saw nothing but sand over the entire distance. From the point indicated on the map, I judge that this deposit is at or near Surveyors' Creek.

Have you seen this ore deposit, and do you know positively that it exists ?

Yours vary truly,

(S) T. I. GRABE.

T.I.C.



Tt.Myers, Fla.

March 22, 1911.

Mr. Thomas A. Edison,

Um deer Sir.

MR OR SH augherly

Under separate cover I am mailing you photograph of the swimming pool. I am also enclosing the original bids from the different parties who bid on this original dias from the different parties who had on whis job. I let the contract to W. R. Wallage & Co. and when he had as he thought completed the pool he found upon turning water into it that it leaked. Of course it was up to him to make it hold water and he was put to considerable expense to satisfactorily complete the job.

He came to me to ask my judgment and advice on doing this extra work and I told him very frankly that doing this oxira work and I told him very frankly that you would expect him to corry out his contract and give you a pool that would hold water. I gave him no assurances whetever as to whether or not you would be willing to pay him anything extra on account of whetever bed luck he may have had in completing the job. I did tell him, however, that when you came down this winter and looked the return that you came down this winter and looked the return over, it was possible you might take from an account of his additional allowance into consideration on account of his ball not in the construct to the look I considered this his several hundred dollars on the job. I considered this his affair, however, and not mine nor yours, as he agreed to build the swimming nool for a certain amount of money.

As it looks now as if you would not come down this winter I thought it bost to send you the correspondence and the various papers in the matter in order that you and the various papers in the mesor in order that you might look them over and advise me that you desire me to do in the promises. They have done that I consider a first-class job and I believe you will be well pleased with it.

I also desire you to advise me what you wish me to do in regard to the palme. Shall proceed this same, any about the bear and the palme of the palme a list of these in order that you may settle with Mr. Towles? I have had the Reliance put in good condition and she is ready for use now at a moment's notice. I had her put back in the boat-house, which we had to entirely rebuild. I also had to spend about 3700 in repairing and rebuilding the dook after the storm; therefore I shall be glad to receive your check to pay for all of this extra work.

Everything is completed and in readiness for your arrival except that I have not yet secured any wood for the boiler at the laboratory. I thought this could wait until I have definitely when you would arrive. I should be glad to have you carlise as fully just what to do about the matters I have herewith placed before you for your consideration.

With kindest regards and best wishes, I am,

Host truly yours, Meetiman

E. D. STEELE Ff. Myers W. R. WALLACE & COMPANY aus 51,111 GENERAL CONTRACTORS. PLANING MILL AND NOVELTY WORKS FORT MYERS, FLORIDA. not like the tone of this Mr. Thon a. Edwar. letter & these where is the March 91.1 Dear Sur! Chown wow Lectio letter to Me Aisturan (to which Mis H. on agreeted make uply) regarding balance bee hatting ford weter for you, and must one that we Tow to be entirely ignoran The Jacko Concerning same wilfully guilty of Commercial mealpractice. The later we do not wish to believe without further widence. The the facts are these which fine representative (Mr. Mitman) autotrachestes Lost Oummer (marly a gear ago) we received drawing and specifications From Mr. H. for a bothing pool to be

- - -----T. P. GAY W. R. WALLACE & COMPANY GENERAL CONTRACTORS PLANING MILL AND NOVELTY WORKS In were wited to submit saturate of fost, we were subsequently given The work with Contract and proceeded in good faith to Equiente same and were very discious of making a high class piece of Contrate Construction Spirally brok in from to A me proceeded with the Excession it was found that the lower and stood over a boggy spot not hierable for good footing, and in the absence of the used clause in Entract regarding Changes to me referred to your so to whites it was thought fest to thing the leader of endern to overseme the difficulty. It was organized that we hum all dicaged matter and ful with them bule rock will round, in doing or We found numerous springs from land

W D WALLACE W. R. WALLACE & COMPANY GENERAL CONTRACTORS. PLANING MILL AND NOVELTY WORKS Dide, and our Experience in represent the bottom of the Royal plan probable we that the specifications for a reinfor Ced bottom was not Sufficient the floor bould have to be waterfronted as well as timforced . On consulting Mer, H in Jour abounce before proceeding with these massing presenting we did as we would had you been how and authorized such Changes as Mr. H. assured us that Jaw more shipped short of making first class Job of any proposition and that being a fair man you would De on your arrival the successfy for same Who this It Enterled ansiderable Engineer and Exprese in us which had you been here you would have authorized at the wader you wrave the work would have gone by default. which was sutirely in the prosince of the

w n w.... W. R. WALLACE & COMPANY GENERAL CONTRACTORS PLANING MILL AND NOVELTY WORKS FORT MYERS FLORIDA Mean is a Contract of any importance made where any unforcer affeculty or weevery thenge of plan is made but what the owner bears the Trop (public to artitration) They Mr. H. fully apresented pow and assure no that such thange was legioust, & on that ground we proceeded. Had we thought for a mornest that M. Elison would resert to a suttryinge to in order to escape an honorally fortised to be would move have quindled the fort your Seety pays that your discission is that I'll the Contention (pour deil) suffer if he has made is mistake the felieve that your tester Judgment will Maring that this is not a parallel lace and That the dept is a lightmett one long past du Eur for Intering MRealla

Ft.Myers

The Moman's Club Kort Myers, Florida

Uferil 24d 1911

Dear Mr. Islian, at both Mayor, is such her distracy, at both Mayor, is such hereday are up to date Sucy chefada for the new of the Jehood, the flicher, and the general public, and some of our members are tiging to got subscription. In the function of the larne, but home to-guild one to territo to you, and ach you to their the direction of the Mational Labracy (do Share is correctly, I at Manyoton, deceiving their succession, the language of the language of the language of the language that the language plant to the language of the classes have to the language to the language of the language of the language to a since the language of the lang

They till me that the storm of last bethe has done to perceptible damage to the hearty of your grounds, and if you do not rest the with the Maricane. With tourfuncts, Itemann, James grown, James grown, James grown,

Mit No Haurn-Resident of Minaur Shah Mix I. Vicil - Il of Bustianal Jamustee Nov. Newwoody Johnson

U.B. HOYER, 227Vcc-Person

F GARNER, SECRETAR

L. Huers

.Tt. Mrvers. Fla

Mr. Thomas A. Edison, Orange, N. J.

My deer Sir:

The onclosed, which appeared in this morning to Bress in a bad bill for the river-front property must of for the property must of the property must be the property of the two downstream of the property of the two the property of the two there or dook facilities limited to 500 feet.

the river-front reporty owners here in mrotesting against the passage of filts bill to our representative at Tallahasses, by conding him a night letter at once, to the following effect: I therefore ask that you join with the rest of

Tallahasses, Fla.

I most carnestly protect against the Riparian Rights bill which you are about to present to nagmes bill which you are most to present to the Legiclature, and as river-front property owner in Fort Hyers end a tax payer of that community I sak that you use your influence against the enactment of this bill, as I feel it is against the best interests of the town, ## it is against the peop investigation both commercially and socially."

This, of course, is as much for your own pro-tection as for the rest of us, I have cont quite a few telegreems from here and am also getting us a potition among the citizens here protecting against the measure, and I believe if we all pull tegether there is no doubt but we can kill the bill. As I view the natter the priviles of having our dockn run out to the channel is what makes our water-front property valuable and for one man to fit up and say how far we shall run our docks out is ridiculous.

Very truly yours.

[ATTACHMENT/ENCLOSURE]

LOOK IT OVER.

Mr. Mendry Will Increases the Fellowlog Bill of Acceptable To Ft. Mysers. Tablew yes goldstan a Bill that, Tablew yes goldstan a Bill that a proposition of the State State of the state of the State of the State State State State of the windows have been stated as well as the State State State State State and continued to the State State State State and the State Sta

from you. The bill reads:
An act to be entitled, An act to fix
and define the southern boundary of
the channel of the Calcosanatchea river in front of the City of Fort Myers
to establish bulk head or piler lines
therein, and to prohibit encroachments

therons. The channet or the Callonshhatches river in the county of Lea is not marked or defined and the ownres of riparians lands on said river are uncertain as to the line which marks the southern edge or said channel where it forms the northern boundary of the limits of the city of Fort Myers;

and
Whereas, it is important to the commerce of said river and the city or Fort
Myers, that such channel he defined
and bulkhead and pies lines he established, and an persons prohibited from
encreaching thereon; now therefore.

Be it exacted by the legislature of

the state of Florida: Sec. 1, That the southern edge of the

THE DAILY FORT MYERS PRESS

channel of the Calossahntehee river in front of the city of Fort Myers is bereby fixed and defined as extending along in front of said city of Fort Myers. 500 feet from the the of, the benchere or bank of said river within the corporate limits of said river within the variety of the corporate limits of the corporate limits of said city of Myers, and thus the buildinead or picelline said of the corporate limits of the corporate limit of the said city of forther said of the corporate limits of the corpora

farther.

Sec. 2. From and after the insunge of this net, and its approval by the governor, it shall not be lawful for any riparian proprietor o owner of lands in the elty of Fort Myers, on the Chlousdatelber Freye to fill up the submerped lands along the banks or shores of said river, or to erect whereve, warehouses or other startuters on the same for, to or at a greater distance than the hundred redef from the character of the size.

hands a second of the first of

- by legal process.

 Sec. 4. Any person or persons, firm or corporation violating any of the provisions of this act subject to a fine of not exceeding \$1,000, or to imprison.
- e ment for a term not to exceed six months.
- t months.
 Sec. 5. All laws or parts of laws in conflict herewith, he and the same are

horeby repeated.



Shultz Hotel Company



Dear Sir: to left would ever you county have not of notifying your of the mount of hours of the mount of the strain of the strai

I have put off nothing the seculors of the estate of than B. llogs At the meeting the Company was represented by 50 shares out of 270, so no business could be transacted.

I have heard from the executors, and they are anxious to enter into negotiations regarding the mortgage, which is \$10000.00 @ S. I have paid the insurance for 3 yrs., amounting to \$725.00, and taxes for 4 yrs. amounting to \$325.70. Mr. Hogs paid one year insurance, which is due his estate. There is also a note for \$1000.00 in the Bank of Fort Kyers, which was negotiated after the \$1000.00 mortgage. This note was necessary to finish the work. I have been paying interest on it, reducing it at times, and it now amounts to \$855.06.

I have paid all bills after hurricane, have kept the grounds in good condition, have planted trees and shrubbery, in fact, have done all that was necessary to keep the property from running down. In hurricane lost wharf and part of the walk, windmill, and gutters, and had to run new drains. At the present moment, the property is in better condition than when the Hotel was opened. If the property was relieved of the indebtedness, it would now pay good interest on the money invested. It stands without any assessments against the stockholders, and all there is to



AMOUS FISHING RESORT OF THE

Shultz Hotel Company



Panta Russa, Lee County. The.

settle is the mortgage, with interest, and the note.

Would be thankful for an early reply, and any suggestions you may have to offer.

Very truly yours,

Dreg. & Mgr.



The D. G. Deitman Co.

WHOLESALE AND RETAIL GROCERS

CAPITAL STOCK \$30,000.0

Tt. Myers, Tla.
May 19, 1911.

Mr. Thomas A. Edison, Orange, N. J. Nowe

My dear Sir:

Your letter received and carefully noted. I have been unable to see Mr. Wallace for several days, but as soon as I can get an interview with him in regerd to the swimming pool I will advise you of the results.

In regard to the Smultz Hotel matter, will say I harly how enset to advise in regard to the proposition, as most of the stockholders felt exactly as you did shout the matter and subscribed more to help it. Smultz than in the hope of ever realizing any money out of the vertue organized its company to the beginning that the should be company of Hew its company to the company of Hew its compan

The work of construction was started in May and in Movember, before the house had been completed, he was taken 11 man, the man of the construction of the construction

Thus far no plan has been decided upon, though it has been suggested that more stock be issued or a reorganization of the Company be effected, but as matters stand at this writing I do not knew what it is best to savise under the

circumstances. I believe the best thing for the present is to wait end see what the concensus of opinion is in regard to the subject among the stockholders. When all have been heard from you will doubtless hear from hir. Shultz again in regard to the matter.

We have been having fine rains every day this week and everything is looking fine. There are a number of questions that I have asked you in some of my former letters to which you have as yet made no reply. I will appreciate it if you will write me fully in regard to them in order that I may know how to sot intelligently in regard to your affairs

Very truly yours, Heitman

June 16.1911 jenda. might- Message H. E. Heilman to leng - Imposeble to get unang - Mednesday -They Edwar

SHULTZ HOTEL CO.

GO.

Contraction of the Contraction o

June 27, 1911. 19

Dear Sir:

Since issuing my last statement, I have heard from the Executors of Mr. Hogg's estate. I can purchase the mortgage at its face value, they waiving all other claims incidental thereto.

I have heard also fro several of the stockholders, who are in favor of taking enough stock to clear this mortgage and the note in the bank; then lease the Hotel for a good rental.

Would like very much to have your opinion on this subject. I will not be able to put the holders of the mortgage off much longer.

I appreciate all you have done, but I am at an expense the whole year keeping up the Hotel and property.

Assuring you that an early reply will be greatly appreciated, I am,

Very truly yours,

To Thos. A. Edison, Esq.



The H. G. Beitman Cc.

ESALE AND RETAIL GROCERS.

Mr. Thomas A. Edison, Orango, M. J.

My doar Sir:

ir. Devie moved from your place on Honday of this week and the new man has been installed. I have gone over coverything with him and have given him instructions as to what to do and will follow him up partty closely for the next of days in order to see that he takes hold properly and door him duty.

m dass bought tickets for hisself and his wife book to Grampe, in accordance with your instructions. After I had setful everyfring my with him he came in with a freight bill of \$18.65 for the veney of his freight on his goods back to Grange. This term I did not up you for the reason that you gave me no instructions to do so and I swait your savices as to whether to allow this or not.

it is and I told him I could not now this bill without positive instructions from you to do so. Really I do not think it is up to you to pay the following to most think it is up to you to not think it is up to you to now to find the minusheld goods, for so far as I know they may consist largely of souvening and things of that him the him purchased here. Of course I do not know most if the him to withhead here, off course I do not know most if the second an unblassed point of view, this could castly be the could consist the the could consist the could be consistent to the c

I would approciate your prompt advice in the matter and I will write you from time to time and tell you how the new man is taking hold.

With kindest regards to Mrs. Edison and yourself,

I am,

Host truly yours

J. F. GARNER, BEGGETANY



The La Leann retail grocers.

CAPITAL STOCK \$30,000.00.

St. Myers, 30

Mr. Thomas A. Edison,

Mr. Thomas A. Edison, Orange, N. J.

My dear Sir:

metter, I am,

I enclose herewith a clipping which explains itself and of which I am the author, and if, after reading it over, the plan meets with your approval I should be very glad indeed if you could see your way clear to give us a small donation of say \$25 or \$50 towards the erection of such a structure.

I believe it is a plen well worthy the support of all who are interested in the growth and velfare of Fort Hyers and feel it will do more good to the poorer classes here then anything else. I should not only appreciate the cmount you would give, but think your endorsement and approval of the plan would have a good deal of weight with our citiesns and assist us in securing other donations.

Thanking you in advance for your courtesy in the

Most truly yours

M.E. Meitwan

[ATTACHMENT/ENCLOSURE]

Her This Column For an Expression of Views on Sub-

FOR RECREATION PIER. Editor Fort Myers Press.

Fort Myers Florida. Dear Sir:-There has been consid-Digit Mr. - There had been comme news of your inner in regard to a malelie park, urging that steps he taken out on the public docks, and it is a by the city to provide a park or parits great wonder to me that through ranfor its citizons. Probably the remon aways or mishans of one kind or an-ways or mishans or one kind or an-ways or one kind or one kind or one kind or one ways or one kind or one kind or one kind or one kind or one ways or one kind or one ways or one kind or one ways or one kind or one ways or one kind or one ways or one kind or one ways or one kind or one k toward this end is because there is no injured, for our city, has grown to such property available for such a purpose an extent that there is constant team property available for such a purpose an "Ostout that there is constant temperature to centrally located. This is the lag, heavy traffic and automobiles upstantion as I see it, and in view of the or the circumstances I desire to suggest and it is certainly dangerous for comthrough the columns of the Press that |en and children to use them as promthe citizens, acting in Jarmony with enades in their present condition the City Council, get together and build a Recreation Plea auch as build a Recreation Plea at the foot of I believe a Recreation Plea auch as build a Recreation Plea at the foot of I have described could be constructed Cowler Street

and pleasure to a greater number of citizens than the building of a sub-our citizens than a park, because not stantial and commodious Recreation many live near or have access to the Pier. many live near or have access to the reservance front. It would be cleaner than I suggest the foot of Fawler Street as park, which would be a consideration for the proposed atruerender the pier of greatest use to our the heart of one of the fluor resident comes people in the summer mounts, sections of the city, and it would be when it would mean a great deal to those who live some distance from cation for the purpose.

go in the heat of the day.

Many of our northern visitors have warrant definite steps being

To occur removes one root cost our pres- counts the commission of this proto truncation ther of ample proportions subscription list proved with a done-A architecturally attractive and propertions stone of \$50. Let's hear from others. A mentic located would not only be a & source of pride to cuch and every one A of us, but would also prove a novel pression of Views on out. To us, out would also prove it sover jests of General Interest, & and striking advertising feature for

A our city. Another way in which such a plot contd be used for the enloyment of all our citizens is this: The pavilion could be so constructed as to permit of its use as a band stand, in case we

are fortunate enough to have a local band in Port Myers at a later date. I have often noticed mothers walkthe with their little children walking

for between \$2.000 and \$2,500, and 1 Situated as we are, with our beau- also feel confident that fully half the nituation as we are, with our sear, thus feet considers that this past the tiful fiver, from which there is always money could be missed by private sub-a refreshing brocze, in front of our scription among our citizens. After city, a Recreation Pier, with a large the subscriptions were all in then let payilion at the end, well fenced along the stder (count) advance the balance the balance the balance are payilion at the end, well fenced along the day countil advance the balance are paying the stder of course, would be the store in ureer to reader it sate for requires, which of course, would not children, provided with ample neats, oventually paid by the taxpayers of etc, and the electric lightest absolute- the city. It seems to me that this ly no teaming or heavy traffic being community could not spend \$1,010 to allowed on the structure) would have better advantage, nor in a way that many advantages over a public park, would give convenience, emilier and the level it would afford comfort pleasure to a greater number of our

a park, when would be a constituen-jus too secures to the proportion and it would be ture for obvious reasons. First, this tion for the changes, and it would be thre for oncome remone, ries, this much cooler, as there is always, a street has already been filled in to the broze on the water, and this, in my seawall. Second, it is really the only opinion, is an advantage that can place for a Recreation Pier that is at burdly be overestimated, for it would all centrally located. Third, it is in

the river to have such a retreat, clean I hope this suggestion will meet and comfortable, 'o which they could with the approval of a sufficient numher of the citizens of Fort Myers to

....

Very truly yours H E HEITMAN The state of the s LIVER RECHLATOR one there are a pargutive, and you will in ver use unt-

...

shed to grive run and more was view For only by all drawelsts. Advertise in The Press-II pays

AT TH PAIM ROVAL Monday

DESCRIPTION OF THE PROPERTY SERVICE

Motion Pi will be fine. (bring your

Special close prices on Cook Stoves, Roofing Paper, White Mount Baseball goods a specialty. oils.



Tt.Myers, Tla.

July 12, 1911.

Mr. Thomas A. Edison, Orange, H. J.

JUL 15 1911

My deer Sir:

Replying to your favor of recent date relative to the new gardener will say he has taken held feirly well as though he night prove better in some reprects than Doyle. I have followed your instructions and have out off all the help except hisself. He scena to think, however, that he will not be able to held the job down hammer than the my consensury at times to harmish him a far week or two at a time. He specks very near to understand its very heard to understand.

Of course he has been here such a short time that I hardly foel the to upas judgment on him now. His lemowledge of conditions in this part of the country sense to be very limited, but I have consured him that I have the part of the country sense that every sense that overy sense that overy sense that the limit has the sense that the sense that the tender of tropical plants and trong a coverience in the care of tropical plants and trong a coverience in the care of industrious and swart little woman and now that Doyle and the sense I return think the till settle down and they are the sense to the country of the sense to the country to the sense to the country that the sense to the country that the sense Of course he has been here such a short time that work there as there really is, and the follow began to be fearful of undertaking the job clone.

I will write you again in a week or two and toll you just how I think he will turn out, as I think I will be able to judge him by that time.

Vory truly yours Ho, Arthuran

H. C. HELTHAM, PROSSERENTING



The D. C. Deitman

LE AND RETAIL GROCERS.

Tt.Myers, Tla.

July 18, 1911.

Mr. Thomas A. Edison, Orange, N. J.

度21回1

My dear Sir:

Your favor of the 13th received, advising that you are willing to make a donation for the recreation pier, and I thank you heartly for your interest and your offer.

I am sure it is a project we will all feel proud of when completed and one that will add much to the general good of the town.

Again thanking you, I am,

Most truly yours Heiturau

.



The B. C. Britman Cu.

CAPITAL STOCK \$30,000.00.

Tt.Mryors, Tla.

August 7, 1911.

Mr. H. K. Hiller,

% Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:

Your favor received with letter from Mr. Tyker,

of Pomone, Cal., and same will have my attention.

Yours truly A Heilman

The B. G. Beitman Co.

APITAL STOCK \$30,000.00.

Mr. Thomas A. Edison, Orange, H. J

My dear Sir:

I was at your home place a few days age and went over everything carefully with the new man, Zeman, to see that progress he was tanking and I have been over the work there with him several times before.

to be all I regret to renort that I do not think he is going to be able to hald this job down, as he seems to have no judgment whetherer and to be perfectly plain, voy little owners seems. He seems willing to work, but does not be seem to know how to take hold of anything that be not seem to know how to take hold of anything that he has very little knowledge of the plaints of the country of the plaints of the country hours of the seems have a while, but I am afraid not.

write you for a raise in wages and he also thates that three Edison agreed to raise in wages and he also states that the Edison agreed to ray the week of the month of June, in addition agreed to railroad fare down here. He did not not seen that the state of the seen agreed to the seen that the seen of the seen agreed that the seen of the seen agreed that the seen of the seen agreed the seen agreed the month of the seen agreed as the month of June 2 for the seen and I will do so.

hrs. Edison wanted a wok wall built and the line straightened we along the sire behind the swimming pool, we all wall has tall prior to the storm and the sire of the wall also tall prior to the storm along the line to the wall and the full-in behind at would probably could in the not place to the ward and two wall probably could in the not place how the to the wall as the world probably could in the not place how whether or not you wish to two whether or not you wish to the fall we got the work started the less it will could be sufficient this work is done. If so the fall we got the work started the less it

From time to time I will advise you further in regard to Zeman. There is no other news of interest at this writing.

With kindost regards and best wishes, I am,

Very truly yours,

ME Soitman



Shulte Ratel Commons DIINTA BARRA FLOO

Thos. A. Edison. Esq..

Orange.

COPY OF A LETTIN FROM THE PUTATE OF CHARLES &. HOUG.

Now York, Aug. 11, 1911.

ar. George R. Shultz,

Lear Cir:

Shultz Sotel. Punta Russa, bla.

Mi 18 7 1

Your note of July 31 is received and contents noted. I am sorry that you are not able to get your stockholders together and encourage then to not up woney towards the cancelling of the mortgage.

You have a wrong impression about what hr. Hogg intended. It was his desire to aid you and get you on your feet, but he expected beyond any doubt to receive the full amount of his mortgage. I know this to be true, having had several conversations with him on the subject.

The propersition that you convey to me offering 65,000 is imposcible. The face of the cortange is all we are willing to consider and can consider. Thile I have no disposition to pross you, I must get the full arount of this nortgage and hope that you will get yourselves together and be able to neces plink it without littigation. If it is nocentary to litigate, I will have to do it.

I wish to say now that I shall have to withdraw my offer to accopt the face value of the contract, which I made to you several wenths ago.

Tours very truly,

(Signed) T. Y. Grafts.

-, march to of ulto



Tt.Myers, Tla.

August 18, 1911.

Mr. H. F. Miller, Orango, H. J.

Dear Sir:

Yours of the 14th received and in reply thereto will say, yos, all of the matters referred to in my last letter can wait until Mr. Edison returns from Europe.

Yours truly,

, port mycro W. HOPKINS, PRESIDENT HERMAN B.ANDERSONASSICATE Granville Bank GRANVILLE, PUTNAM CO. ILLINOIS September 14-1911 Thomas Edison. Fort Myers Florida. Dear Sir. I own a section of land quite near your Int tryers winter her dance. Which I am offering to sell for \$20,00 an acre net to me. Discription Section 36 Yours hip Range 14- 640 Acres. 2 write thinking furhaps you would like to buy, yourd truly. Histopkins After 5 days, return to ARCHIBALD W. HOPKINS, R. R. No. 1, Box No. 5, GRASVILLE, Putmm Co., ILL. Thomas Edison Orange Jot Myers



The D. G. Britman Co.

WHOLESALE AND RETAIL GROCERS.

Tt. Mrierr Tla

October 27, 1911.

fr. Thomas A. Relson, Orange, 11. J.

My dear Sir:

Your letter received with check for 372.84, which amount we have placed to your credit with thanks. I also note that you want nothing done in regard to the rock wall.

In regard to Zeemen, in some respects he is a fairly good mer and in others he is not. He is soher and a very good more but he so the most soher to the sole and a very good was to the sole and trees in this section and really has not much knowledge of how to hand trees in this section and really has the sole and the time, but does not secondlish much or make any showing. However, I will try to got along with him as bost I can this fall until you come down and have a chance to look him over yourself.

Unless I give him some help right away he will certainly not have your place looking as you want it to look, so I am arranging to give him a man to assist him after this week, this course being an absolute necessity in order to get the place in good condition for the winter.

For some time I have intended writing you in regard to your sprinkling system. Hearly all of the nipples and bushings have rusted and rotted off, from the effects of the sulphur water, and I see nothing to do but to replace the entire outfit with brass nipples and bushings. To do this will require 600 brass nipples & x 3 and 600 brass bushings \(\frac{1}{2} \) x \(\frac{1}{2} \). I thought perhaps you night be able to get these fittings from some firm with whon you do business at a cheaper rate than I could procure them here. I consider it a waste of time and money to put in any more black from, as this artesian water will eat it out about as repislay as it

It is also necessary to have a new fence around your 10-acre tract on the South side of the road, on what is known as your Park Place and where the stable stands, as a

"lal"

great many of the posts have rotted out and the wire too. Accordingly I as arranging to have a new Tence built around this property, this expanditure being necessary in order to keep cattle, etc., out of the property.

With kindest regards and best wishes, and hoping to see you in Fort Lyers early this season, ${\tt I}$ am,

very truly yours,

M.E. Metewau



Tt.Mryers, Fla:

Hedman - Bette Reap Thropp 201801, Orango, H. J. on - do Geat West Zamor

done until I get down there

ity dear Sir:

done until get a convolution to the man Keenen them on the tent of the man Keenen when you aget a you get a proper to the place. It the rate he despite that the progress he is time you come down they write the progress he is the condition to the property of the control of the to assist him and he is not making any headway alone.

I am sure he will not suit you when you come hero for he does not seem to have any common sense or judgment at for he does not seem to have any common sense or judgment at all and is incentible of eaching onto anything he is told; I believe I could get you a good man down in the late of the country, althoughout the country, althoughout the property of the country, althoughout the property of the country of the cou who understands and can take care of your plants and trees and who will keep the place up in nice shape.

I shall be glad if you will advise me promptly whether or not you dealed if you will advise me promptly whether or not you dealer one to secure a man here or whether you will send one from up there, for I know you will not be satisfied with the appearance of your place unless I get some good man in there right eway who understands his business red can make some showing. I have done my the work to him alow Zeeman what was to be done and continued to entry here and have hoped all admer continued to stay here he would plak me and have regretfully come to the decision. that he is simply a thick-headed Dutchman who has not enough brains for the job and who will never prove satisfactory to you in any respect.

but he has absolutely no initiative himself. Understand there has been to unleastnesses the himself. Understand there has been no unleastnesses the second of the himself o

I hope that you and your family are well, and with kindest regards and best wishes, I αm_{\star}

Most truly yours,

Heitman for Hobase



M. Myers, Ha. November 16th, 1911.

Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:-

Yours of the 11th inst. received. I note what you say relative to keeping Zeeman until Mr. Edison can find a better man, which I will be glad to do, as I am quite sure that he will never be able to keep a place in a satisfactory way that Mr. Edison wants , althuugh I will do the best I can with it.

Very truly yours,

A.E. Noituan

Edison General File Series 1911, Glenmont (E-11-51)

This folder contains correspondence and other documents relating to the furnishing and maintenance of Glenmont, Edison's home in the private residential community of Liewellyn Park in West Orange. The two selected items concern Edison's stock holdings in the Liewellyn Park Improvement Society and instructions regarding the insured value of his greenhouse and harm

The unselected material consists of meeting announcements and other circular letters from the managers and trustees of Llewellyn Park; miscellaneous invoices; and two monthly lists of accounts payable.

Mr Sodier wants you to Caucil the 76500 incurance on the greenhouse also reduce the incurence for the born from 6000. to 3000 and on the Horses relices harnes from 4640. to \$1000.

He also wants to know in how many Companies you carry the incurence on his Donce a Contents and if they are all good Companies

LLEWELLYN PARK IMPROVEMENT COMPANY.

being the holder of the (a) shares of the capital stock of Lineallyn being the holder of the (a) shares of the capital stock of Lineallyn Ferk Improvement Company, do hore by constitution or any of them, D. Douglass, Alfred In control of directors or any other matters to act as may before the annual meeting of the Company to be held on Monday the second agy of ottober, 1911, or any subsequent date to which it may be adjourned.

And I do give my said attorney or attorneys full power of substitution or revocation, hereby ratifying and confirming all that my abtorneys or their substitutes may do in my place and stead.

This proxy to be good until revoked.

In Witness Whereof, I have hereunto set my hand and seal this 26th day of September 1911.

Witness:

Edison General File Series 1911, Health and Diet (E-11-52)

This folder contains correspondence and other documents relating to Edison's widely publicized views on longevity, his recommendations for good health, and his personal habits, physical condition, and allments. Some of the letters, containing Edison's reply in the form of merginalia, concern smoking, diet, and refernals to physicians. Also included is a questionnaire that Edison agreed to circulate among his workers on behalf of author and attorney Bolton Hall. Among the correspondents are Clarence I. Peck, an acquaintance from Fort Myers, Florida, and physicians George T. Jackson of New York and Sir James A. Grant of Canada.

Approximately 40 percent of the documents have been selected. The following categories of documents have not been selected: unsolicited incrualrs, pamphlets, and newspaper clippings; correspondence receiving no reply. Also not selected is a letter regarding a purported remedy by Edison for hardening of the arteries, along with a marginal notation indicating that the writer had "imsunderstood the articles in the papers."

S. (- 8 2000

Rivale: They 13 ! 1911

Thomas Addion Eq. May,
Den In. Suliva,
The truly year Effort

Put forth in the line gairconery,
is so grad, that some tean and
bear must be the breecht,
in jour nervous system.

For many years Those notes.

- with

Sir James Grant: M.A. HANSBAR PARSELLA TO HIS EXCELLENCY EARL GERT, GOVERNOR GENERAL OF CANADA.

150 Elgin Glerel.
Ottoma. Consuma Name. {9 ne 11 AM 2 ne 4 P.M with pleasure the austomity useful, and imiguo life. Much spinents, you have going There meantly amount to the scientific would, Hu System of Stien pont and I hust gan all Efforts, morfan, before tenony for will cantinue for jears & Stuly of Surnal other leading Come. I would be greatly men in her Jork . Gratified handu gon If you will kniely fill up the milored blank a survice to prolong jour

and rectain bome form I will at once write and give my opinion, of Jam Systme, which will he to me a great phasure my assessing on the blad formation is the walt of 40 pears comful Esearch work. With Kindul Byurdo skest laishes here since yours

Edward Till . Comme My dear Hount - you deagnoses wrong the trouble dies to come from a Kink in the lower intestine +9 can always relieve the presence by a some what viplent wrench a the stomagh of the Kospital Jam System is defective as the shortness of breath in game Up Stains. Sam Confident the treatment Thave discorned will greatly improve Jours Aresent Constitute and certainly and confidentially, just as you add Jenns Igans habrablelife decide, and in a for dags, I Such was martly the Case will fine you full and complete directions to complete The of Sturpont drongen now injoying mest in excellent health necessary breatment powself, and spirits. If you write me Which for will throughy a line or telegraph Iwill appreciate and new agret. So down to her Jonk, Thornes for a Sample of Museray Still Hotel my wime which I fancy the unal consulting quarters Cald weather delayed Jam a stranger byon or & Orange direch, Navately

in a measure but The delight and pleasury ? antierpake, in rutifying Jam prusent trouble Imally Carmot in places, and as hang Camponsation that will met intinctig on good mer gheart. with Knidest regardo and least wishes, for a long and neefal life hery smeggont La Grant.

TAE - on diet

I gat every kind of food, b I marace it eliplitty Mr. Thomas A. Edison.

West Orange, N. J. J auro My dear Sir: -

I was much interested in reading an interview with you published in a recent newspaper, wherein a comparison of your views and those of Mr. J. C. Stubbs was made. Your statement of your system of living viz:

> Proper Eating. Proper Sleeping. Proper Clothing,

I heartily commend in general and would be much gratified if you would specify each of the three more in detail, especially the first named. I am particularly interested in hygienics, and would esteem suggestions and advice from you a great favor.

I would recall to your mind our former acquaintance in Floridafirst when there with my Brother (Ferdinand W.) and myself (we owned property adjoining yours there) at a time when you were ill at your house, you kindly loaned us your launch for Tarpon fishing, in which we were most successful. Later we had the pleasure of meeting you at times at the Tropical Hotel at Ft. Myers. wards you kindly invited us to go through your plant at Llewelyn Park and showed us through your laboratories and workshops. I was extremely interested with your explanation of your long successful efforts at your old pine desk in making the phonograph talk properly and in working out the incandescent light problem, etc.

I don't want to impose upon your time - I can imagine that you are much bothered with cranks - (I am not a bad one); but I would appreciate a reply from you as requested.

With best wishes always, Very truly yours almost first-

the from my observations of other persons of all persons of the persons of the persons of the little of the best little experiences to what title of so best to so perfectly assume hed that the area into the large or alorage when inthe cell food value extracted the will feel with person that will person the williams that will person the will person,

TAE - on food, s lesp

ROBERT E. DOAN
LATE REPRESENTATIVE IN CONGRESS
FROM OHIO
BECOND FLOOR 1927 G STREET N. W.

R. E. DOAN & CO. Attorneys and Counselors at Law

PROMPT AND PERSONAL ATTENTION TO ALL BUSINESS BEFORE CONGRESS. THE EXECUTIVE DEPARTMENTS. COURT OF CLAIMS, THE SUPPREME COURT, AND BANKRUPT CASES II II

PRACTICE IN ALL STATE AND FEDERAL COURTS

WASHINGTON, D. C. April 25-1911

(IND 4/28/11 How thos. N. Edison Securtary. for will pardon my treet I read with terest your Statement in the Washington Qif papers last Sunday, as I was surprised when you all; thereby making the world, الاسم 5 feet 10 inches high For the Cast two meals fished day: ? general variety of from at both meals , with of copper at each meal with my last meal ? Taka a glop of mick and two glassery was Bright returned at about 10 All. I Drunk a fin water of But ? Dream, and Smelines can go to sleep for some time. I would be pleased

ROBERT E. DOAN
Attorney and Connsellor at Late
Orgices, 1327 G Street N. W.
Washington Savings Bank Sullaing
Washington, 2). €.

HOM, GHARLES W, FAIRBANKS HOM, F.L. CAMPBELL GEN: J. MARREN HEIFER HOM. JOSEPH E. FORMARE HOLLON, K. BUIDHAM HOM. MILLI VANDEVANTEN HOM. MILLI VANDEVANTEN HOM. RICH HOM. HOM. M. CLAY EVANS HOM. M. A. JOSEPH HOM. FAIRAGE S. WARREN HOM. LESUR S. FAIRAGE HOM. GENER HOM. LESUR S. FAIRAGE HOM. CHARLES H. GROSVING-

Cut down your food gradually. don't use the table as a social adjunct on it came too much find to be token when you have in the course of time got the tolal food down to a certain joint you, will start to love veryly when you water lies quedually increase form food a Chereften gradually weight countaint. The front you do take you to be all constant. The front you do take will the be all constants the front you do take with the longe of storage into his free present of the longe of storage into his free of red velues what will prevent published in the boot type will come to pass into the blood type will

class to pass the man and try to place as much for to years I only along to the hours of many along the hours of your along to but it is profound at 3 rise professly refreshed.

Type am get wito them heart by gradually reduced your along the man along the period after your along the man and the provided the provided the provided the provided the provided the provided to the provi

ROBERT E. DOAN
LATE REPRESENTATIVE IN CONGRESS
FROM OHIO
SECOND FLOOR 1927 G STREET N. W.

R. E. DOAN & CO. Attorneys and Counselors at Law PROMPT AND PERSONAL ATTENTION TO ALL BUSINESS BEFORE CONGRESS THE EXECUTIVE DEPARTMENTS COURT OF CLAIMS, THE SUPREME COURT, AND BANKRUPT CASES II II

PRACTICE IN ALL STATE AND FEDERAL COURTS

WASHINGTON, D. C.

to know the kind and character of the food you last and at what times during the 24 hours? I am all truth, that you have done more for the betterment of mean and the amelioration of the world in the last 40 years than any man now living; and the end is not fit.

Hofing you may favor me with the unfurnation much desire, I remain Surce your for all that is good.

29, Beaufort Manions aus Joo London, J. Tr. I work 18 hours dans Dear des. Edison I have read the 29th I propose to do the rains for, naturally, any adust comme with standing your and when were your of allow that your coursery should be inferior your love of him very busy and that you is be kind enough as to answer this means in extense, for which I key leave to pre your, in anticipation, with my hearty thanks Availing your reply I remain with The reason y can work April 26,1911. 18 ho

orticles

L 24, 1911.

HOW TO LIVE TO 150.

MR. EDISON'S PLAN.

Fridow out come Consession Control of the Control o

never dreamed in my life.

"I am new sinty-four, and can work and
think better than ever I did. This talk of
retirement is book. I have worked since
I was trotles, and loope by continue working
until I am 150. My Paradice is here on
earth.

DEAN OF ST. PATTE

Mrs 6/12 FT FAE on but AMIL F. NERLINGER Day. Eats everything but very little mrs. Thomas a. E. Keep welp to Loughand of four husband Presently and article appeared in the Grand Robids Prise as to the dist of If it is not asking too much of a favor will you touch the what we adison date and about how much at each meal: I am asking this favor I ful mr. Edwar would be loo busy to answer this inquiry.
Thanking you in advance for a reply, I am.

yours respectfully.

Q. J. Yerlinger

June 21st 1911.

Thomas A. Edison, Esq., Llewellyn Park Orange, N.J.

My dear Sir:-

Would you not be willing to have your factory employees fill in the enclosed Questionaire on Sleep? I believe you will be interested, especially with a view to your experiment, about reducing the hours of sleep.

I shall be pleased to send you as many of the enclosed blanks as you can use.

Yours since the state of the st Yours sincerely

TAE doctors appropriate DR. GEORGE T. JACKSON II EAST 48!" STREET OFFICE HOURS 9A.H.TO 12:30 P.H. AND BY APPOINTMENT My dear Mr. Edien: Phoner you call on my at my office it you will ack the woman in the entrany hall to phone me jour are here, Iwill not detain you a moment longs than necessary to you Come do not let is be a allowday until after 12M. I can see you any afternoon but Saturday, of you will teleplan After 5 days, return to G. T. J., G. T. J., 11 East Forty-Eighth Street, NEW YORK, N. Y.

but I think you will save, time by aming to may office when I have all my hole of hade.

Journ half.

Jendy Jacken

MOFFAT, YARD & COMPANY

MOFFAT, YARD & COMPAN

81 East 17th Street New York

W. D. Morrat, President R. S. Yand, Vice-President J. H. Corr, Secretary & Treasurer Telephone 3138 Stuyvesant LONDON OFFICE 5 Henrietta St., Covent Garden

June 27, 1911.

Laboratory of Thomas A. Edison, Orange, N.J.

Dear Sire:-

We take pleasure in sending you today,

as the request of Mr. Bolton Hall, a number of blanks of Mr.

Hall's questionaire on Sleep.

Yours very truly,

TRS/R.

MOFFAT, YARD & COMPANY.

4

[ATTACHMENT/ENCLOSURE]

OUESTIONAIRE ON SLEEP

We shall be glad to supply additional copies of this slip upon request—we desire the largest number of replies possible and it is hoped the scientific interest of the subject will lead you to aid us in procuring them.
Age
Married ?
Do you sleep well?
How many waking hours in bed?
How many hours sleep on an average, and at what times?
now many nouse seep on an arrange,
Avenue de mon consider sufficient for yourself?
Any difference during vacations?
Do you use any means or devices for inducing sleep?
Similar observations on members of your family, if any?
Similar doservations on manager 1
Are your dreams usually rational or fantastic, pleasant or unpleasant?
Do you have nightmare?
Are you given to worry?
Does physical, especially agricultural work relieve this?
Do you take artificial exercise, or does your work involve exercise?
Appetite good?Simple diet or elaborate?
Is the "sleep of the laboring man sweet" in reality?
Name
Profession
Address

No scientifically complete tabulation and study of data has yet been made on SLEEP.

Moffat, Yuri & Company will publish this Pall a book entitled "The Gift of Steep," by Bolont Hild, "Things As They Are," "Pree American Steep," and "Things As They Are," "Pree American Opening the Indiana Contain Garden and the American Steep and The American

ADDITIONAL REMARKS

BOLTON HALL
COUNSELLOR AT LAW
29 MROADWAY, NEW YORK
PHONE RECTOR 875

My Egine We for the Mark

June 30th 1911.

H. F. Hiller, Esq., Laboratory Thomas A. Edison

Jaboratory Thomas A. Autso. Orange, E.J.

Dear Sir:In accordance with Mr. Edison's kind request:

we have asked the Meffat, Yard Cempany to forward the 150 blanks on "Sleep" - which you have doubtless received ere this.

Yours very truly

for Mr. Bolton Hall

See that dremains about the among there used the centure of Zein bethe chose northweaper are as some of the country of the characteristic of the chose northweaper are as some of the characteristic o

one blac is not what Concerns me. I am con-Carnis with the importance of waying Jon to give time mand to your slight malady less is become more grand.

Jour huly Sent of action.

Surplus \$1,500,000. Capital \$1,500,000. $11/\varepsilon_1/\Gamma_{\rm oul}$ Newark,NJ. JUL 11 1911 He Fi Mices, West Crange A.J. May, Dear fit, Can I ask a special Wiee you Kindly inform we as to whether Mor, Edison, is a Smoker, or not My impression is that he does not Smoke at the present time, I am Collecting a few points for some young Men, young Men, Please Cracky, Very, truly yours, A.M. Conne

Mr. A. W. Conklin, Cashier,

Union National Bank,

Newark, N. J.

BOLTON HALL COUNSELLOR AT LAW SO PINC ST., NEW YORK PHONE JOHN 1593

July 17th 1911.

Mr. H. F. Miller Laboratory Thomas A. Edison Orange, N.J.

Dear Sir:-

Mr. Hall acknowledges your kind note of the 13th, regarding the Questionaire on "Sleep;" and thanks Mr. Raison for his kind interest.

Yours very truly

E Daymou

Mir Glan Leigh Barmard Ga England Dear Mr Edison,

eal at you meals , the I shop lady + am solden Ciguido zon drunk on avis to think clearly on which in an able to any subject. I have do such a great amount trick small fromthe I hard brain work of Good well man licated Heep in fit condition. but love week to a am now two stone lighter I assure you that . " The I might to be nee to mal gateful There is no organice. for the wormalin trable - but difference as I suffer continues weakness, which gives from Leaving Drongues ruse to Clarimen to. + cemeral unfitness.

I'm diel it were beg me in many way , Believe me Jamos Cordinel W. F. Kennedy Mr. Thoma A. Edison Sauge Laborday New lang.

[ATTACHMENT/ENCLOSURE]

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The Tennan Community of the principle of the good schedulers in the insurance of the distriction of the dist

iproblems all night."

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bad? Because he ain two much. Mr. Strebe, and extract of his His. "In a street of the street of the

Familie is here on earth.

The is also the in part to the fact that the control of the control o

Northern Realty Company Real Estate, Fruit Cands and Merchandise

Mr Thomas A. Edison

west Orange N.J.

near Sir:- I was born across the River from yoursel

Pages especially Mrs Homer Page I number among the best friends I ever had. I have only this excuse to offer for troubling a man as busy as I know you to be. While talking to a Doctor here the other day I was told that you had discovered a method of dissolving Urate of Soda in the joints. I have suffered with Rheumatism in my joints for years Arthur itis the Doctors call it. My joints still have action but are very sore I think if I could get that dissolved I could get well and throw away my crutches. One curious thing about my sickness has been that when the temperature got down to zero I could throw a spark by touching a person or metal which gave quite a shock, and after a few times the person shocked became charged so they could do the same thing. My family were all able after a few times to do the same. Will you kindly advise if any practical use is being made of the electric method of dissolving these deposits and who has them in charge.

Dic.J.M.S.

Chast Rartown 490 E. Rich St.

Law Office of DAVID T. DICKINSON, ARRISTERS HALL. - Rooms 412-41 Pemberton Square TULUPHONDS. Hawnerket 1457.

BOSTON, MASS., Nov. 4, 1911.

Mr. Thomas A. Edison,

New York, N. Y.

Dear Sir:

ausily "

Some time ago, when you were abroad, I noticed what purported to be an interview with you printed in the Boston newspapers, which was interesting, although perhaps not correct in all particulars. I was quite interested in what it said about the unusually short amount of sleep that you take and that you have been in the practice of taking during your life. I think the article said not more than four nours a day.

I would very much like to know if this report is correct, and if so, if you think that people in general could become habituated to this, so that they would be just as well off as if they took the usual amount of sleep which is regarded as the normal amount.

With highest regards, I remain,

Yours very truly.

REC

David I. Duleman

The returnment occur of hours sleep is correct but for the last so years of average 5 hours I sugare voing tills aloop bocames I am a sound alooper and Est very little ALBERT F. SHORE 557 W. 2249 ST. NEW YORK,N.Y.

Mr.Thomas A. Pdicum,

Orange, N.J.

Dear Sir:

Judging from your occasional public utterences I do not believe I am mistaken that you are, as most thinkers, interested in biological science particularly the dynamical end of it. It profits us little to know what makes things grow but it would be of vast importance for us to acquire at least a rudimentary knowledge of the energy or forces so economically utilized and controlled by the living organism.

According to a new line of inquiery which I developed a few years ago, one can readily see that the work of the man with the scalpel while useful, cannot be a channel leading to the final solution of bio-dynamics the densest problem of our enlightened and scientific age. I have already gone very far with this work in my spare moments and have easily succeeded in eliciting enough fundamental laws to permit the formal structure of a principia of the Natural Philosophy of Life.

A work of this kind would quickly revolutionize or sharply affect all the sciences which directly have to do with our bodily as well as social welfare. I now practically hold the key to this great work, but as an engineer and manufacturer I have so little time that society would be deprived of the benefits for years and years. I do not intend to write the Principla personally but would be a director. In this capacity yem going

Maril 10/11

Acoupt 9 man of Contract of See of Portal South South

ALBERT F. SHORE 557 W. 22*P ST. NEW YORK,NY.

Mr. T. A. Edison

to secure the collaboration, aid or criticism, from the foremost scientists of the world, with a preference for thinkers and observers who are not prefeasionals in any of the lines covered by the philosophy. Among these I have never heard of more plausible and sound expressions of thought than those which come from you, and onsequently I would very much like to have an interview with you in regard to the matter above outlined.

I have no book publisher interested in my work but it will rather be the work of a little society and of course all who contribute will be well repaid for their time.

Enclosed you will find an editorial article -a sample of the new data arranged for popular reading.

Awaiying the pleasure of a favorable reply, I am Faithfully yours.

Albert F. Thore

Novmber the fourth 1911.

[ATTACHMENT/ENCLOSURE]

THE WORLD: SUNDAY, JULY 15, 1906.

Put Hands on Head When You Want to Sleep --- Brain a Storage Battery



ALMERT P. SHORE

BY ALBERT F. SHORE

Member American Association for the Advancement of Science, Engineer, Scientist and Author

Master denotes Antimire by the Advances of Value of Science. We will be a located by the special agency concerned in the resemble agency concerned and the special agency concerned in the resemble agency concerned and the special agency concerned as a recombing continuous concerned agency concerned as a recombing content of the special agency concerned as a recombing content of the special agency concerned and the special agency concerned as a recombined agency of the special agency concerned as a recombined agency of the special agency of the special agency of the special and the special agency of the special agency of the special and the special agency of the special agency o

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Edison General File Series 1911. Honors and Awards (E-11-53)

This folder contains correspondence and other documents relating to Edwards formal awards and honors. Included are invitations for Edison to compete for Nobel Prizes in Chemistry and Natural Philosophy, which received no reply from the inventor. Also included is correspondence with Charles R. Cross, head of the Physics Department at the Massachusetts Institute of Technology, concerning a photographic replica of the Rumford Medal—an honor conferred upon Edison by the American Academy of Arts and Sciences in 1895 for his work in electric lighting.

All of the documents have been selected.

9. Personal - Modals

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Aus6/28

My dear Mr. Edison:

Mind (17, 301) (Mob)

The Rumford Committee of the Américan Academ is desirous of securing replicas of all the Tumford Bedelle which have been awarded. Previously to the last few years this has not been done and there is no record even of the personal portion of the various inscriptions. As Chairman of the Committee I am asked to secure as far as possible the data necessary for the engraver.

It will be a great favor to the Academy if you can send me the inscription as "displayed" in the case of the medal which was awarded to you, as well as the character of the lettering. Only the portion in incised letters is actually needed. This can be secured most completely by giving the wording of the inscription and its "lay-out" in writing and procuring a photograph of the reverse of the medal or having a cast made in plaster. I send a print of the reverse of the medal awarded to Alvan Clark as an indication of what is needed. The Committee "ill be glad to pay any expense involved.

Hoping that you will be able to oblige the Committee,

I am.

Yours very sincerely,

(enc.)

Chas R Ewfs.

THE 1. M-leco

MASSACHUSETTS INSTITUTE OF TECHNOLOGY ROGERS LABORATORY OF PHYSICS

June 30, 1911.

My dear Mr. Edison;

I received this morning from your secretary, Mr. Miller, the photographs of your Rumford Hedal, which I requested for the Rumford Committee a short time since. I am greatly obliged for them and in the autumn shall proceed to have the bronze replice ongraved.

I am,

Yours very sincerely,

Chas R-Coop

Herr Th. A. Lolison

Orange, N.J.

På uppdrag af Kungl. Svenska Vetenskapsakademien hafva undertecknade, medlemmar af dess Nobelkommitté för kemi, äran inbjuda Eder att inkomma med förslag till mottagare af Nobelpriset i kemi för 1912.

I ceslighet med föreskrifterna i Nobelstiftekens Grundstadgar, som till Eder öfversändes, bör i förslaget angifvas den upptildst eller förkniring, för hvilten priesst undelande
förestås, hvarsjaline förslaget bör vara motivernalt och laföljdt af de skrifter och andra handlingar, som åberopas. Aldre arbeten kunna bläva förenlat för belöhing allensat i händelse
deras betydelse först under sensate idne blifvit allengiged. Förslag mikse, för att kunna
uppsags till pröfning, vara inkommet till Nobelkommitten före den 1 febr. 1912. Förslagsskrifelven hör dersessens till:

"Kungl. Vetenskapsakademiens Nobelkommitté för kemi. Stockholm."

hvarjämte å omslaget bör angifvas att försündelsen innehåller förslag till mottagare af Nobelpris i kemi.

Stockholm i sept. 1911.

Olof Hommarsten

Ordföran

e Petterson

O. Widman

peter Pelason

HenringPoderbaum

Wilh Pahndr

(Traduction.)

ACADÉMIE ROYALE DES SCIENCES DE SUÈDE

Lettre confidentielle.

COMITÉ NOBEL DE CHIMIE

Monsieur.

L'Académie Royale des Sciences a élu les soussignés membres de son Comité Nobel pour la chimie, et c'est en cette qualité que nous avons l'honneur de vous inviter à nous présenter une proposition pour le prix Nobel de chimie à décerner en 1912.

D'après les préscriptions du Status de la Fondation Nobel, dont nous vous avons adressé un exemplaire, cette proposition doit contenir l'indication de la découvere faire ou perfectionnement apporté dans la châmie, dont l'auteur est proposé pour le prix Nobel. En outre, elle doit être moivée et accompagnée des ouvrages et autres documents sur lesquels elle s'appule. Les travaux qui n'appartennent pas à l'évoque la plus récente ne peuvent être objets de récompeuse que dans le cas oi leur importance n'a été démontrée que dans les dernières temps. Pour être prise en considération, la proposition doit parvenir au Comité Nobel de chimie avant le 1º Février 1912. La leure doit être adressée au

Comité Nobel de chimie de l'Académie Royale des Sciences à Stockholm

et porter sur l'enveloppe qu'elle contient une proposition de prix. Stockholm, Septembre 1911.

OLOF HAMMARSTEN

OTTO PETTERSSON .

PETER KLASON

O. WIDMAN

HENRIK G. SÖDERBAUM

WILH. PALMÆR. Secrétaire. You are invited to compete for the Novel-Prices
for Chemistry & National Philosophy for 1912

Mo was

Comité Nobel de physique (or Esimic)
de l'Ibrademic Royale des Geiences

Stockheim

Tweden

Herr Th. A. Solison

Grange & J.

På uppdrag af Kungl. Svenska Vetenskapsakademien hafva undertecknade, medlemmar af dess Nobelkommitté för fysik, äran inbjuda Eder att inkomma med förslag till mottagare af Nobelpriset i fysik för 1912.

I enlighet med föreskrifterna i Nobelstiftelsens Grundstadgar, som till Eder öfversändts, bör i förslaget angifvas den upptäckt eller uppfinning, för hvilken prisets utdelande föreslås, hvarjämte förslaget bör vara motiveradt och åtföljdt af de skrifter och andra handlingar, som åberopas. Äldre arbeten kunna blifva föremål för belöning allenast i händelse deras betydelse först under senaste tiden blifvit ådagalagd. Förslag måste, för att kunna upptagas till pröfning, vara inkommet till Nobelkommitten före den 1 febr. 1912. Förslagsskrifvelsen bör adresseras till:

"Kungl. Vetenskapsakademiens Nobelkommitté för fysik.

Stockholm.4

hvarjämte å omslaget bör angifvas att försändelsen innehåller förslag till mottagare af Nobelnris i fysik.

Stockholm i sept. 1911.

Gustaf Grangevil
ouspranse
V. Carrheim Gollandid

Montellitain Svante Arrhenius

(Traduction.)

ACADÉMIE ROYALE DES SCIENCES DE SUÉDE

COMITÉ NOBEL DE PHYSIQUE

Lettre confidentielle.

Monsieur,

L'Académie Royale des Sciences a élu les soussignés membres de son Comité Nobel pour la physique, et c'est en cette qualité que nous avons l'honneur de vous inviter à nous présenter une proposition pour le prix Nobel de physique à décerner en 1912.

D'après les préscriptions du Statut de la Fondation Nobel, dont nous vous avons adressé un exemplaire, cette proposition doit contenir l'indication de la découverte ou de l'invention, dont l'austeur est proposé pour le prix Nobel. En ourre, elle doit être monivée et accompagnée des ouvrages et autres documents sur lesquels elle s'appuie. Les travaux qui n'appartiennent pus à l'époque la plus récente ne peuvent être objets de récompense que dans le cas où leur importance n'à été démontrée que dans les derniers temps. Pour être prise en considération, la proposition doit parvenir au Comité Nobel de physique avant le le "Février 1912. La lettre doit être adressée au

Comité Nobel de physique de l'Académie Royale des Sciences à Stockholm

et porter sur l'enveloppe qu'elle contient une proposition de prix. Stockholm, Septembre 1911.

GUSTAF GRANQVIST

Président.

B. HASSELBERG

V. CARLHEIM-GYLLENSKÖLD

ALLVAR GULLSTRAND

SVANTE ARRHENIUS

WILH, PALMÆR. Secrétaire.

[ATTACHMENT/ENCLOSURE]

List of the men, who have received the prices for Nat. Prices. and Openinty from 1901 to 1910

[ATTACHMENT/ENCLOSURE]

- Le prix Nobel de physique a été décerné
- en 1901: à M. W. C. Röntgen, professeur à l'université
 de Munich, pour la découverte des rayons qui
 portient son nom:
- en 1902: par molités à M. H. A. Lorentz, professeur à l'université de Leyde, et à M. P. Zeeman, professeur à l'université d'Amsterdam, pour leurs recherches sur l'influence du magnétisme sur les phénomènes de la radiation:
- en 1903: par moités à M. H. A. Bequerel, professeur à l'École Polytechnique de Paris, pour la découverre de la radioactivité spontanée et à M. P. Curie, professeur à l'École municipale de physique et de chimie Industrielles, et Me-Marie Curie à Paris pour leurs travaux exécutés en commun regardant les phénomènes de radiation
- découverts par M. H. Á. Becquerel; en 1904: à Lord Rayleigh, Londres, pour ses recherches sur la densité des gaz principaux et pour sa découverte de l'argon, amenée par les dites recherches;
- en 1905: à M. Ph. Lenard, professeur à l'université de Kiel, pour ses recherches sur les rayons cathodiques;
- en 1906: à M. J. J. Thomson, professeur à l'université de Cambridge (Angleterre), pour ses recherches théoriques et expérimentelles sur le passage de l'électricité à travers les gaz;
- en 1907: à M. A. A. Michelson, professeur à l'université de Chicago, pour les instruments de précision optiques qu'il a inventés ainsi que pour ses recherches spectroscopiques et métrologiques faites à l'aide de ces instruments:
- en 1908: à M. G. Lippmann, professeur à l'université de Paris, pour sa méthode de reproduire photographiquement les couleurs, basée sur le phénomène de l'interférence;
- en 1909: par moitiés à M. G. Marconi, ingénieur, Londres, et à M. F. Braun, professeur à l'université de Strasbourg, pour leurs mérites dans le domaine de la télégraphie sans fit;
- en 1910: à M. J. D. van der Waals, ancien professeur à l'université d'Amsterdam, pour ses travaux sur l'équation d'état des gaz et des liquides.

- Le prix Nobel de chimie a été décerné
- en 1901: à M. J. H. van't Hoff, professeur à l'université de Berlin, pour la découverte des lois de la dynamique chimique et de la pression osmotique en solutions;
- en solutions;
 en 1902: à M. E. Fischer, professeur à l'université de
 Berlin, pour ses travaux synthétiques dans les
 proupes des sucres et de la purine;
 - en 1903: à M. S. Arrhenius, professeur à la Faculté des Sciences de Stockholm, pour les mérites de sa théorie de la dissociation électrolytique au point
 - de vue du développement de la chimie; en 1904; à Sir W. Ramsay, Londres, pour la découverte gaz indifférents et élémentaires de l'air et pour la détermination de leur place dans le système périodique;
 - en 1905: à M. A. von Baeyer, professeur à l'université de Munich, pour les progrès qu'il a fait faire à la chimie organique et à l'industrie chimique par ses travaux sur les matières colorantes organiques et les composés hydroaromatiques;
 - en 1906: à M. H. Molssan, professeur à l'université de Paris, pour ses recherches sur le fluor et sur la manière de l'isoler, ainsi que pour les applications scientifiques du four éléctrique qui porte son nom:
 - en 1907: à M. E. Buchner, professeur à l'Institut agronomique de Berlin, pour ses recherches chimicobiologiques et pour sa découverte de la fermentation sans cellules de levure;
 - en 1908: à M. E. Rutherford, professeur à l'université de Manchester, pour ses recherches sur la désagrégation des éléments et sur la chimie des corps radio-actifis:
 - en 1909: à M. W. Ostwald, ancien professeur à l'université de Leipzig, pour ses travaux sur la catalyse ainsi que pour ses recherches sur les équilibres chimiques et les vitesses de réaction sur lesquelles ces travaux sont fondés;
 - en 1910: à M. O. Wallach, professeur à l'université de Gœttingue, pour les progrès qu'il a fait faire à la chimie organique et à l'industrie chimique par ses travaux éminents sur les combinaisons alleycliques.

My dear SW Edven. Si Mallore Si Mallore De 19"

My dear SW Edven.

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Edison General File Series 1911. Insurance (E-11-54)

This folder contains correspondence and other documents concerning personal and property insurance. Among the items for 1911 are letters relating to the designation of beneficiaries for Edison's life insurance policy and to the inspection of boilers at the West Orange laboratory.

Approximately 30 percent of the documents have been selected. The unselected material consists primarily of unsolicited promotional material.

Legal Legal Department: Filiphane 9080 augs: Thomas A. Edison National Phonograph Co. Edison Business Phonograph Co. Edison Manufacturing Co Bates Manufacturing Co Edison Storage Battern Co Edison Portland Coment Co. Edison Phonograph Works. Orange, N.J. Mar. 8, 1911

Mr. Harry F. Miller,

Laboratory.

Dear Sir:

Mr. Dyer requests me to inform you that in view of the difficulty of doing anything in regard to the Mutual Life Insurance Company policy of December 24, 1874, Mr. Edison has decided to do nothing in the matter and to adjust the situation in some other way.

Medican me for the the tree of the stand Very truly yours,



WILDUR S. JOHNSON, NCC PRESCRIPT AND CONTROLLER EDWARD GRAY, SECRETARY

of America.

LEGPOLD H. LITTERST, MANAGER

IN RE

Pol. #16816

NEWARK, N.-J., Mar. 29,1911

Mr. H. F. Miller, Sect. Thos. A. Edison Co., Orange, N. J.

Dear Sir:

With further reference to your favor of the 23rd inst. we are enclosing herewith an amendment form, completed to cover change of beneficiary desired in this case.

This amendment should be signed by the insured in the presence of a witness, and returned to this office together with the policy when we shall be in a position to make the change desired.

I remain.

Very truly yours,

Mgr. Ord., Pol. Dept.

PK-MC-3-27 Enc.

Suclosed find assignment which I would negreet that you hindly change as noted thereon

[ATTACHMENT/ENCLOSURE]

The Prudential Tentral Companies

Other Prudential Tentral Companies

of America.

Newstern States

Newstern

We have received your favor of the 1st, in reference to a change in beneficiary in connection with the above numbered policy, issued on the life of Mr. Edison.

We have to advise that if you will give us the names of the children to whom Mr. Edison wishes this policy to be payable, we will then forward you the necessary amendment form to have signed. I remain

Very truly yours,

Marian & Oeser Theo. A. Edwar Jr 11 m L. Edwar Madeleine Edwar Charley Edwar Theolore M. Edwar Theolore M. Edwar

Dear Sir:

Lemma 16 Joppe

Mgr. Ord Fol Dept.

(Ju 8/8/11 P. O. HOX 2078 Telephone Call, 3086 Co. Names of the Midnown Forth Co. III Fieffer Loome - to send me policies converge on develope (Old Medre) as have I can have the \$670. Clause allected to dame. you to file and I soppose also to he seems I am the peace to seems policie.

D.C.HARVEY Thos. A. Edison, Dear Sir:-

The Tidelity and Casualty Company

92 Liberty Street

Valley Rd. & Lakeside Ave.,

Orange, N. J.

Our inspector, Mr. W. I. Nichols. on the 13th day Oct. 1911, made an external examination of the three steam boilers specified below and described in your s team boiler policy No. 217521 as located at the above address.

The report s hows that s o far as could be determined by an external examination, the Boilers appeared in good condition.

In accordance with this report, the Company approves as the maximum load on the safety valves of the

B. & W. Boiler No. 1 L. to R. 130 lbs. per sq. in.

B. & W. Boilers Nos. 2 & 3 L. to R. 135 lbs. per sq. in.

Yours truly,

Supt. of Inspections .

Edison General File Series 1911, Invitations (E-11-55)

This folder contains correspondence and other documents relating to banquets, luncheons, lectures, and special events to which Edison was invited. Among the correspondents for 1911 are Charles A. Coffin, Charles J. "Buffalo" Jones, Clarence H. Mackay, and Arthur E. Stilwell.

Approximately 10 percent of the documents have been selected. Invitations that were unanswered or routinely declined, along with duplicates, have not been selected.

Clarence Wacka 253 Broadewa Would be pleased to come to Natoma but I am very deaf and could hear very little, if you could manage To get Two seats in front row orchestra et violin end, will come over

POSTAL TELEGRAPH - COMMERCIAL CABLES

DELIVERY No

<u>TELEGRAM</u>

78 Main St., Orange, N. J.

.

ESIGN PATENT No. 40529.

17 NY N 29

New York Feb 27-11

Thos A Edison

Llewellyn Park Orange NJ. FEB 27 911

Your message received. Have secured two good seats in front row which I am forwarding you today by special delivery will be very glad to welcome you tomorrow evening.

Clarence H Mackay.

1143AM

THE WESTERN UNION TELEGRAPH COMPANY CABLE SERVICE TO ALL THE WORLD 25,000 OFFICES IN AMERICA. RECEIVED AT THE WESTERN UNION TELEGRAPH COMPANY CABLE SERVICE TO ALL THE WORLD THEO. N. VAIL, PRESIDENT NOV 1 1911 228 Main St., Orange, N. J. 191 RECEIVED AT Telephone 90, Always Unen DATED To.

Telegram - non 2/11 Lather & Stillwall Broadway & 79 & Strap Teacher & Maryork Cant come, am so deaf, can hear nothing at Beenquete and they make me unhappy

20K

Mr: Arthur Edward Stilwell requests the pleasury of the company

Mr. Ikomas A. Edisorat seven o'clock on the evening of Thursday, November second undeen hundred and eleven

Manuel
Benjacet

at the Videloof Fronce Hetel
in the City of Few York
in Lower of Herepoing of the
American Land and Fragadian Exposition
Mutimu Guare Gardin Novemberthicat to hadph

Please address reply to Mr. Gidwell, Ginger Building, New York

Sould I perseller a concellered

Une lectors the I cocce touch

The planes of Expression's

company is requested at a discretate given in handway

Mr. Blownes Meri Caffin

by a few of his present friends

on Thanklay the winth of Navember

at half aftersonen winter

at half aftersonen winter

18 The Plaze

Please send reply to Mo F. C. Walcott Twenty four Broad Steed, New York City

THE WESTERN UNION TELEGRAPH COMPANY RESOLUTION SERVICE TO ALL THE WORLD SERVICE TO ALL THE WO

1 to the

1886 (J-R. 1911

You we workindly involed be be fresent at averaghion tendered by friends to Meand Mis for Mitchell Chapping. The wilay often won November teen tyllied from Mean for wood of the working their Twenty Topher defined and working their Twenty Topher delige anniversity. The occasion will also apperprisely anniversity to Measurement who are home of the National Magazines to be held in the working their working. The tenth of the Section of the National Magazines to be held in the working. The occupation of the New Building. 352 Gorchester Arence, Besten

w bie.

Grand Hotel, Broadway & 31 St., New York City, Dec. 11, 1911.

I am afraid I will not be a ble to Mr. Thomas Edison, East Orange, N.J. Come over to the Metions of as ins

My Dear Sir: as close to Christmas Cant you

I read all that you said about "Buffalo Jones" on your return from Europe, and I certainly appreciate it more that from any other source. I always admired

It more that from any other source. I always admired people that do things. I have invented many thing the myself, and know something of the trials of an inventor, the trials of an inventor.

What I wish to say is, I am to give a lecture and show my moving pictures of repling animals in ancidoa. and Africa. I have some of the most startling pictures,

probably in the world. Out of the most sturring provares, probably in the world. Out of the most sturring provares.

The only public appearance is give in New York City is at Carnagie Hall Dec. 22nd, and I desire that you and your friends should be my guests and occupy one of the best boxes.

I expect to have quite a number of the best people of New York and surrounding places, and hope you will be one among them.

Please let me know if this is agreeable with you. If so, I will send you the tickets.

I am.

Your sincere well wisher and admirer, '

[ATTACHMENT/ENCLOSURE]

Prices of Tickets

FOR EVENING LECTURES AT 8:30

New York or Brooklyn—

\$1.50, \$1.00, 75c and 50c For Matinee Lecture at 3:00 Brooklyn Only—

75c, 50c and 25c

Tackets will be placed on sale at the Hall Box Offices December 17th, but may be secured by noall in advance from the managers. A Early application is advised to assure securing them. Orders for tickets should be addressed to

J. B. POND LYCEUM BUREAU

MEROPOLITAN LINE BEILDING

1 Madison Avenue - - - New York City

Physic Granery 1093





"Buffalo" Jones

Only Public Appearances In New York & Brooklyn

[ATTACHMENT/ENCLOSURE]



Positively the only public appearances this season in New York and Brooklyn of

"Buffalo" Jones

In his unique Motion Picture Lecture of the

world's most during bunting expedition.

"Lassoing Wild Animals in Africa"

will be at

Carnegie Hall, New York

57th Street and 7th Avenue

Friday Evening, December 22, 1911

Academy of Music, Brooklyn

Music Hall, Lafayette Avenue
Sat. Aft. & Eve. December 23, 1911

In addition to his African pictures, Col. Jones will show 1,000 feet of moving pictures of his American exploits prior to his African expedition. These pictures are never shown except by Col. Jones personally.

Prices of Tickets on the Last Page

THE reging of Africa's withers animals by schaffer's junes and his party is, perhaps, once of the most chaffer cerests in the binary or maskind. It takes courage to fixe a changing ment, are altowaren, with no other protection than one's own agility and a thin make-like junes. But Call, just has lather tenglished and use-cocked in rying helphody every arevise of large fragilities and use-cocked in rying helphody every arevise and African game. He celleduch knew in what adoubtful light his story of three decked might be track town medium picture unders with him. The butters were remarkably elerar and have very place of this undept from of hunting—hunting that how to core the animals.

To quote Col, Roosevelt, 44 did not believe it possible to rope a lion or a rhinoceros as they did, and to have caught their pictures with a cinematograph is a thing that has never before becam to be approached.¹⁷

New York. Dec. 181 Deur Nu Edison; yours of 15 here, in which you day Council accept of a hox all arregie hall to hear my lecture and See my fricture Do. 29th & count anoth of the exerce, as Christmas is far beyond the 22rd Col Wir Cody (Buffels Bill) is more generous than you offun to be as he has consented to stay over and he a great of honor and introduce the Speaker. Then tall chances of hing at his home in North Horth Neh for Christmas Truther. I Shall reserve the Lox all right and many he able to her you Thursday need of agreedly, as I will around from Educate Thursday Morning Thursday Morning I leme this All for the bytestain the lands of the "Mainty city" at Hitter awall missing right

Very truly yours

Edison General File Series 1911. Lectures [not selected] (E-11-56)

This folder contains requests for Edison to deliver lectures. Among the correspondents for 1911 are Moses Gomberg of the University of Michigan and George B. McClellan, Jr., of Princeton University, as well as representatives of the Metropolitan Musical and Literary Bureau of San Francisco and the Lecture Agency, Ltd., of London. The documents contain Edison's draft replies in the form of marginalia, with notations such as "Lecturing is out of my line" and "on any.

Edison General File Series 1911, Legal - General (E-11-57)

This folder contains correspondence and other documents relating to the administration of legal matters. Among the items for 1911 are letters pertaining to the estate of John Kruesi, for which Edison and Samuel Insul served as executors and trustees. Other documents concern a case involving the heirs of Robert H. Thompson, the head of a pioneering firm in the manufacture of corrugated products who had served as president of the Edison Portland Cement Co.

Approximately 20 percent of the documents have been selected. The following categories of documents have not been selected: routine letters of transmittal and acknowledgment, unsolicited letters seeking advice or information from Edison, and promotional material. Also not selected are receipts pertaining to the New Jersey Patents Co.

Kruesi, John

CARLEGRAMS FATING NEWYORK TELEPHONE 7997 CORTLANDT

EATON, LEWIS & ROWE. S. B. EATON, RETIRED C.E.COLLIGAN

Dear Mr. Meister:

30 Church Hicel (cortland building)

Now York Warch 11, 1911

WW 12 SH

G. A. Meister, Esq., Assistant Secretary,

c/o Thomas A. Edison, Esq.,

Orange, New Jersey.

In the Kruesi Estate, Mr. Insull, after going further into the matter with August Kruesi and finding that if he joined with Mrs. Batchelor in making distribution in her accounting proceedings, no provision could be made for the education of John Kruesi who was still an infant, decided that it was advisable for you and him to take over the estate long enough to ensure a proper provision for the education of John Kruesi who is now 19 years of age and who has, I think, a year more in Union College. Accordingly the final decree entered by the

Surrogate in Mrs. Batchelor's accounting proceeding directed the estate to be turned over to yourself am Mr. Insull.

An appropriate receipt was prepared by Mrs. Batchelor's attorneys and submitted to me which I checked up with the final decree and found to be correct. Mr. Insull has signed it. I enclose it herewith for Mr. Edison's signature. After it is signed, kindly return it to me and oblige

JCR/AK M. 100 (Enc.)

C. Durenia - Breeze

A.B.C. CODE USED

CABLEGRAMS CATWIS NEWYORK:
TELEPHONE 7897 CORTLAND?

Ous & Chile 1911
Out Charles 1911
Saw Offices

EATON, LEWIS & ROWE, S, B, EATON, RETIRED. EUGENE H. LEWIS, DEC'O. JOHN C, ROWE.

C.E.COLLIGAN L.W.BARNARD H.H.FLAGO 30 Church Street (cortlandt building)

New York _April 10, 1911

G. A. Meister, Esq.,

Edison Labratory,

Orange, New Jersey.

Dear Mr. Meister:-

Re Kruesi Estate. I enclose herewith a check for \$592.13 to the order of "Samuel Insull and Thomas A. Edison as surviving Executors and Trustees under the Will of John Kruesi, deceased". You will observe that Mr. Insull has endorsed this. Will you pleasehave Mr. Edison sign his full name "Thomas A. Edison" under Mr. Insull's name at the place indicated in pencil?

This check represents the cash in the hands of Mrs.

Batchelor on her accounting. Upon receipt of this check, I will
add the words "As surviving Executors of and Trustees under the
Last Will of John Kruesi, deceased" and deposit it with the Parmers'
Loan & Trust Company pursuant to Mr. Insull directions.

Vouse wery truly.

John Kow

GRAPH COMPANY THEO, N. VAIL, PRESIDENT RECEIVED AT

Kniest

A.B.C. CODE USED CABLEGRAMS EATWIS NEWYORK TELEPHONE 7897 CORTLANDT

EATON, LEWIS & ROWE.

S. B. EATON, RETIREO.
EUGENE H. LEWIS, DEC'O.
JOHN C. ROWE.

C. E. COLLIGAN.

Ottown ded to

30 Church Arcel (CORTLANDT BUILDING)

New York 10v. 16, 1911

Thomas A. Edison, Esq.,

Edison Laboratory,

Orange, N.J.

Dear Mr. Edison:-

Kr. Insull looked in this morning and instructed me to complete the account of your and his proceedings as surviving executors and trustees of the estate of John Kruesi, decoased, so that the estate may be distributed.

The securities belonging to the satate were deposited with the Farmers' Loan & Trust Company by Mr. Batchelor. To obtain these for the purpose of sale and distribution, it will be necessary for me to file with the Farmers' Loan & Trust Company a receipt at the time the securities are delivered over to me. I have drawn such a receipt together with an authorization to me to act as attorney for you and Mr. Insull in winding up this settet.

Mr. Insull has signed both the receipt and the authoriza-

Will you kindly sign both of these papers which will be submitted to you by Mr. Alfred B. Trigge of my office who T. A. E. #2

brings this letter.

John Nowz

Yours respectfully,

JCR/AK M. 105 (Enc.)

Ed. Juinds To insure prompt attention Address Ali Communications THE THOMPSON & NORRI CONCORD & PRINCE STREETS. NE 8- 9/1 My dear Mr Edison The Thompson Case "comes time during the tions will not be of a reafure to muyching of that Rived I dislike to inconvenience you in any way but the matter is important and I ould appreciate it if you would hold you y Encice, I remain yours respectfully

Et Friends - Thempson

THE THOMPSON & NORRIS COMPANY,

CORRUGATED PAPER AND PAPER SPECIALTIES.



PRINCIPAL OFFICE & WORKS.

CONCORD & PRINCE STREETS,

BROOKLYN, N.Y.

HEDALS, AMERICAN INSTITUTE, MEW YORK, 1877. NTERNATIONAL INVENTORS EXHIBITION, LONDON, 180 EXPOSITION, UNIVERSELLE, PARIS, 1889. WORLDS COLUMBIAN EXPOSITION, CHICATO, 1815 BRANCH WORKS:

BOSTON, MARB.

MILLS, BROONVILLE, INDIAN.

FOREIGH FACTORIES:

HAGAR FALLS, ONT.,

SONDON, ENGLAND.,

JULION, SERMAN.

CARLC ADDRESS.

COPTEXA, BROON LIVE.

BROOKLYN, Dec. 12, 1911

Mr. Thomas A. Edison.

Orange, Carr

My dear Mr. Edison:-

3 o//

I received Mr. Killer's letter of Minds
in due course, and wish to thank you for your willingness to
assist us in our case. The case is called for the week beginning
Dec. 18th, but we cannot tell just when it will be reached. We can
tell, however, within about twenty-four hours, and I will be careful
to advise you when I have definite information. Do hot come on
therefore until you hear from me again. I would simply request
that you hold yourself in readiness during the week beginning the
18th.

Yours respectfully,

To insure prompt attention Address All Communications to the Company.

THE THOMPSON & NORRIS COMPANY, CORRUGATED PAPER AND PAPER SPECIALTIES.

With Raid regards Iremain

Yours respectfully It Tumpson

Por If afer arriving in Une yest City you will bake the Salway have for Borough Host, you will land evitic a few sheps of the County Court House.

Krussi

A.B.C. CODE USED CABLEGRANS EATWIS HEWYORK TELEPHONE 7997 CORTLANDT.

C.E.COLLIGAN.

Law Offices

EATON, LEWIS & ROWE.

S. B. EATON, RETIRED.
EUGENE H. LEWIS, DEC'D.
JOHN C, ROWE.

30 Church Street (cortland building)

New York Dec. 19, 1911

.

Thomas A. Edison, Esq.,

Orange. New Jersey,

Dear Mr. Edison: -

Mr. Insull has signed the account and

the petition for setting the account of yourself and Mr. Insull as surviving Executors and Trustees of the Last Will and Testament of John Kruesi, deceased.

Mr. Alfred B. Trigge of my office will bring to you the original of the account and the petition and ask you to sign the account in various places and also the petition and then verify each before a notary public.

Mr. Trigge will also present to you three checks

as follows:

No. 2 to the order of Eaton, Lewis & Rowe, Attorneys for \$1697.50 which represents an amount to be transmitted to Miss Olga A. Kruesi by us on account of her distributive share.

No. 3, to the order of Paton, Lewis & Rove, Attorneys for \$212.50 for legal services and disbursements.

Ro. 4, to the order of Eaton, Lewis & Rowe, Attorneys for \$156.52 also for legal services and disbursements.

Will you kindly sign each of these checks under Mr.

T. A. E. #2

Insull's signature.

The account will be immediately filed and in due course a decree will issue settling the accounts. I will send you a certified copy of the decree.

Hus Kowe

Edison General File Series 1911. Legal - Litigation - George Harrington, Josiah C. Reiff, and Thomas A. Edison v. Atlantic and Pacific Telegraph Co. et al. (E-11-58)

This folder contains correspondence and other documents relating to the protracted litigation arising from Edison's work on automatic telegraphy during the 1870s. After financier Jay Gould acquired the Automatic Telegraph Co. in 1875, Reiff, one of the original investors, instituted suit, seeking reimbursement for the interests of Edison, Harrington, and himself. Among the documents for 1911 are letters concerning Edison's involvement in the case and its appeal. Also included is correspondence pertaining to the troubled finances and health of Reiff, who died in February 1911 at the home of Mrs. James Hood Wright. Edison, who was asked to serve as an honorary palibearer at the funeral, declined the invitation on account of illness. At the end of the folder is a two-page summation of Edison's cash advances to Reiff during the period 1888-1911.

Approximately 80 percent of the documents have been selected. The items not selected consist primarily of letters regarding the payment of legal fees, along with duplicates and variants of selected documents.

Related material for 1905-1910 can be found in the "Reliff, Josiah C." folders in the Document File Series (*Thomas A. Edison Papers: A Selective Microfilm Edition, Part IV*). Related material for 1912 can be found in the "Telegraph" folder (E-12-78) in the Edison General File Series.

J. C. REIFF 20 BROAD STREET

New York Filey 6 4 1911

DEAL Exison The haling y again on my trail on 9 de Love our the Penn mutual time Thy day of alirans mel come som no special now from the telegraph decision jet, When it was first submitted to the count I concluded not to Expert a decision under 90 days, although I may come placy time. That a peint of tad buch last mich . The Seemend I has as the Copper mine finialed me by creating an amounthoises debt, the matterina or more ofthe lawyer judgment may lake against no odkat to hay 1200. Very fortunally a good fram came bruy and Homes me the and trusting my henor. I thereps dies out the morey but notin in danger of the judgment

Reist- JC.

Harrington Edina.

+ Reist

Other Marine Marine

Sela + Inner Sela

Necision of the

U.S. Cir Court of

Others.

UNITED STATES CIRCUIT COURT OF APPEALS

For the Second Circuit

George Harrington, Thomas A. Edison and Josiah C. Reiff, Complainants-Appellants

-againstThe Atlantic & Pacific Telegraph
Company, and George J. Gould et al.,
as Executors and Trustees, etc.,
Defendants-Appellants

Bright Course of the Course of

Before

COXE, WARD and NOYES,

Circuit Judges.

Appeal by both parties from a final decree awarding to the complainants the sum of one dollar as damages for infringement. The case is reported 143 F.R. 329.

WARD, Circuit Judge:

The bill, filed May, 1876, alleges that Thomas A. Edison, a citizen of New Yersey, made certain inventions in automatic telegraphy and also in duplex and quadruplex telegraphy and that the complainants George Harrington, a citizen of the District of Columbia and Edison were joint owners of the patents and of the applications for patents therefor; that December 30, 1874 the complainants, with the defendant Jay Gould, a citizen of the State of New York, agreed to coperate in bringing about an arrangement with the defendant Telegraph Company, which was controlled by Gould, the material feature of which was that the complainants were to transfer

to the Telegraph Company the aforesaid inventions in consideration of 31,800 chares of its capital stock; that assignments were made by the complainants of the inventions in automatic telegraphy and the patents and applications for patents therefor to Gould April 9, 1875 and for the duplex and quadruplex inventions January 11, 1875; that those transfers were made to Gould as trustee for the sole purpose of carrying out the proposed agreement and were to be assigned by him to the Telegraph Company only upon receiving the stock consideration norseasid, but that he wrongfully and prematurely (assuming that the arrangement would be carried out) and without receiving the said consideration, made assignments of all that he took under both deeds to the Telegraph Company, which had full notice of the foregoing facts.

It is further alleged that the proposed arrangement fell through, that the Telegraph Company refused to pay the consideration and, though notified by the complainants that the transfers were for that reason inoperative and that it should cease to use the inventions, continued to use them fraudulently claiming them to be their own property and the defendant Gould, though notified to return the assignments of January 11 and April 9, 1875 to be cancelled, has not done so.

The prayer of the bill is that the Telegraph Company be enjoined from using the inventions and required to account for profits and damages resulting from its infringement and that the assignments to the defendant Gould and from the defendant Gould to the Telegraph Company be declared inoperative and of no effect and that Gould and

the Telegraph Company be required to transfer whatever title to the said patents and inventions they have to the complainants or release all claim thereto to them.

It will be observed that no relief whatever is asked against Gould except that the transfers to him be declared inoperative and that he be required to return the same and no claim is made for the consideration of the transfers but only for profits and damages resulting from the infringement by the Telegraph Company. Gould is not charged with fraud or with confederacy with the Telegraph Company by virtue of his assignments to it any more than Harrington is by virtue of his assignments to Gould.

Art. 42 of the bill is as follows:

"42. That the said George Harrington and the said Jay Gould have always recognized and admitted said trust and the afresaid rights of the said the latter of the said the latter of the said the latter of the said patents and the centing of the taking out of the said patents and the testing of the said inventions as aforesaid; but the defendants, the Aluntic and Pacific Telegraph Company, have falsely assumed that the said Falley of the central quit trust of the said Harrington by an absolute transfer from said Harrington to said Gould, of the property held as aforesaid, in trust by the said Marrington; and that such transfer to the said Harrington to said fould, of the property held as aforesaid, in trust by the said Marrington; and that such transfer conting to the benefit of the said Edison and others, the ocetui quit trust, aforesaid, and the Atlantic and Facific Telegraph Company have falsely assumed that although they had, through their said sagmi, and the said that the defraud the said inventor and patentee and the other parties interested as aforesaid, by taking an assignment from said Gould."

When we come to the answers we find that the defendant Gould denies that he uses or has ever used the inventions or that he was guilty of any fraud in connection therewith, although none was charged against him in the bill, and that the Telegraph Company raising no question as to the validity of the patents or of its use of them resolutely stands upon its right to what it asserts it purchased bona fide and for value from the defendant Gould, who purchased from the complainants.

It will thus be seen that the complainants on the face of their own assignements have neither any legal nor any equitable title to the patents and inventions said to be infringed by the Telegraph Company and that no question of patent law is raised nor any question as to the construction of the documents admitted to have been executed. The claim of the complainants is in absolute contradiction of their own assignements and depends upon their proving t that the Telegraph Company was to enjoy what it received f from them through Gould only upon delivering to the complainants or to Gould for them 31,800 shares of its cap-Suit may be brought in equity upon an equiital stock. table title to a patent, but these assignements must be set aside before the complainants are shown to have an equitable title or to have any standing whatever to treat the Telegraph Company as an infringer.

It is true that the bill prays for an injunction and accounting and damages because of the infringement by the Telegraph Company but before that question can be reached the preliminary and essential relief prayed for, viz. that the assignments be sat aside on principles of equity must be granted.

The course of the cause has been most extraordinary. The bill was filed in May, 1876. The complainants began to take proofs in October, 1879 and stopped in November, 1880. In December, 1892 the defendant Gould died and in December, 1895 the suit was revived against his executors. In August, 1904 the complainants put the cause on the calendar for trial. The defendants then abtained

leave to take testimony within ninety days from February 28, 1905 and the cause was heard May 15, 1905, twenty-nine years after the bill was filed.

The defendants first raised the objection to the jurisdiction in March, 1905 by asking leave to file a plea to the effect that the complainant Harrington was a resident and citizen of the District of Columbia, which was denied, and after the interlocutory decree on the merits in Decemher. 1906 they applied for leave to file an amended and aurolemental answer raising the same question, which was also denied. Still, the jurisdiction of the circuit court of the United States is statutory and limited and it behooves a plaintiff who proceeds there or whose cause is removed there to see that the jurisdiction is complete, else everything thereafter done may be nugatory. Sec. 5 of the Act of March 3, 1875 makes it the duty of the court, if it appears at any time that the controversy is not properly within its jurisdiction, to proceed no further therein, but to dismiss the suit or remand it with such order as to costs as shall be just. Mr. Justice Brown said on this point in Excelsior Co. v. Pacific Bridge Co., 185 U.S. 282 at p. 287:

Now, as the bill in this case differs from an ordinary bill for infringement only in the fact that the suit is by a licensee against two defendants, one that it is by a licensee against two defendants, one that it is the license is set forth only for the purpose of showing title, there would be no difficulty whatever in sustaining it, were it not for the question whether we are not also bound to consider the averagents of the amendal by a reference to excited by or the fundational Statute of 1875, 18 Stat. 470, 472, which provides 'that if, in any suit commenced in a circuit Court, it shall appear to the satisfaction of the hall appear to the satisfaction of the hall supposed to the satisfaction of the latter of the latt

the said Circuit Court shall proceed no further therein, but shall dismiss the suit, etc. While it seems reasonable to say that a jurisdiction once acquired by the filing of a proper bill ought. not to be taken away by any subsequent pleading, the statutue is peremptory in this particular, and requires the court to dismiss the case whenever at any time it shall appear that its jurisdiction has been improperly We are by no means without authority upon invoked. this question. In Robinson v. Anderson, 122 U.S. 522, it was held that when it appeared, after all the pleasings were filed, that the averants in the declaration which alone gave the court jurisdiction, were immawhich alone gave the court jurisdiction, who a mean-terial and made for the purpose of creating a case cognizable by the court, it was the duty of the Circuit Court to dismiss the bill for want of jurisdiction. Said the Chief Justice: "Even if the complaint, standbaan the chart dustice: "Even it one compatint, Schime by itself, made out a case of jurisdiction, which we do not decide, it was taken away as soon as the answers were in, because if there was jurisdiction at all it was by reason of the averments in the complaint as to what the defences against the title of the plaintiffs would be, and these were of no avail as soon as the answers were filed and it was made to appear that no such defences were relied on. In Williams v. Nottawa, 104 U.S. 209, this court went so far as to dismiss a case in which judgement had been rendered for the plaintiff in the Circuit Court, because it appeared from the testimony of the plaintiff that certain bonds were put in his hands for collection in which he had no real interest. It was held that it which he had no real interest. It was held that it was the duty of the Circuit Court on its own motion, as soon as the evidence was in and the collusive character of the case shown, to stop all further proceedings and dismiss the suit, the Chief Justice further remarking that this provise of the act of 1875 was a salutary one, and that it was the duty of the Circuit Courts to exercise their power under it in proper cases. See also Wetmore v Rymer, 169 U.S. 115; Morris v.Gilmer, 129 U.S. 315; Lake County Commissioners v. Dudley, 173 U. S. 243."

This court upon appeal remanded a case, though the objection as to citizenship had not been taken by either party. Newcomb v. Burbank, 181 F.R. 334.

The Circuit Gourt having no juriadiction of the parties because of citizenship, <u>Hoose</u> v. <u>Janison</u>, 166 U. S. 395, the question in the case is whether the cause is one arising under the patent laws of which the court has juriadiction without reference to citizenship of the parties under accs. 629 subd. 9 and 1711 subd. 5 of the U. S. Rev. Stat.

We find it very difficult to say that the bill is one for infringement under the patent laws in view of <u>Wilson</u> v. <u>Sanford</u>, 10 Now. 99 and <u>Hartell</u> v. <u>Flighman</u>, 99 U.S. 547. In the former case the complainants prayed that a license be set aside and that the defendant be enjoined from infringing and in the latter the complainant prayed for an injunction and account, stating that he had cancelled a license theretofore granted to the defendant. In both cases the court held that there was no jurisdiction and this apparently on the ground that the licenses must be first set aside on equitable principles, which because the amount involved in the first case was less than \$2,000 and of the lack of the proper diversity of citizenship in the second, the Circuit Court could not do.

a license under patents, but the patents and inventions themselves and no injunction or decree for an accounting could go against the defendant Telegraph Company until the assignments which on their face fully authorize it to use the inventions are set aside on equitable principles. These cases also show that the more fact that the bill alleges infringement and asks for an injunction and accounting in not enough to establish the jurisdiction of the Circuit Court.

The judge of the Circuit Court, in coming to an opposite conclusion (143 F.R. 329,336) said:

"Having stated the essential fasts and my conclusions thereon, I come again to the principal objection insisted on by counsel for the defendants. As already stated, the question of jurisdiction depends upon whether this suit arises under the patent laws or whether this suit arises under the patent laws or whether the lawses meraly involve the violation of contractual obligations. In the view I take of this contractual obligations in the view I take of this contractual point are of doubtful application. The cases to which attention is directed were chiefly concerned with contract rights. See Wilson v. Sandford, 10 How, 9;

Marbell v. Tilgman. 99 U.S. 547; Albright v. Teas. 106 U.S. 540; And I.White v. Rankin. 144 U.S. 629, the U.S. 540; And I.White v. Rankin. 144 U.S. 629, the marbell very sense of the bill is clearly pointed out. That the defendant corporation operated the automatic system and the properties in question under a submisting contract is not claimed by complainant after gravamen of the bill is based, apparently, won the wrongful and fraudiction to the properties in question under a submisting contract is not claimed by complainants of the tilling, embodies a request that the defendants be decreed to reconvey to complainants their title; but this request for relief is collateral to the primary relief demanded. Atherton inchine Go. v. Atwood-formation of the bill the defendant be decreed to reconvey to complainants their title; but whose the complainants of the contract of the contract which is the contract of the contract of the properties of the contract which is quity could be set aside because of fraud or other sufficient causes, a different question would be presented."

We do not think the authorities sustain the conclusion. In <u>Littlefield</u> v. <u>Perry</u>, 21 Wall. 205, the complainant was assignee of an exclusive right under the patent for New York and Connecticut, which the defendant, the patence and assignor, was infringing. The rights of the parties were regulated by written agreements about which there was no dispute. The question was whether under them the complainant had a right to one and this question the Supreme Court held could be determined as incidental to the title in a patent cause. There was no need to set aside any instrument.

In Excelsior Co. v. Bridge Co. 185 U. S. 282, the complainant, which had an exclusive license under the patent for the Pacific states, brought suit for infringement against the patentee and one to whom he subsequently granted a license for the same territory. The only defense was that the complainant had forfeited its license. The question being only as to the existence of the license, the court had it to be within the jurisdiction of the Circuit Court in a patent cause as part of the complainant's title. distinguishing between a suit by a patentee and one by a licensee

on the ground that the latter would have no adequate remedy by suit in the state courts.

In Atherton Machine Co. v. Atwood-Morrison Co.,

102 F.R. 949, the complainant, as assignee of Letters Patent,
sued the defendant for infringement, who claimed under
later assignment. Held that the assignor not being a party,
the suit was not upon contract but involved merely the plaintiff's title. In this case the question was one of construction of undisputed documents, under the patent law,

It seems to be conceded by the complainants that if the title to the patents depended upon a contract or contracts between them and the defendants, the Circuit Court would not have jurisdiction. But we think that exactly the same reasons apply when the title depends upon grants alleged to be fraudulently obtained or retained.

We feel compelled to the conclusion that the Circuit Court had no jurisdiction of this cause and the decree must be reversed, but in view of the circumstances of the case the court below is directed to dismiss the bill without costs of either court.

New York, Hicky 18 1917 We must go to Washing to, will on telegraph cas. I Expected that moved by the result Whether the decision as present may far a against us The court does not discuss the ments but decides the court has eno crifinal prinsdiction, as it was and an adming Patent care. of course this is a indicator, outrase, but as no other question than the one of prisdiction y isised am lold the appeal mil be a simple mot a coolly matter, Umforaily is in taros of the Robbers, but one for a while of shall tak immeriate steps to appeal will keep you arrises. I mil nova yiers while Ihave life Except by Compromise. Inever enough a man kumish in my life, hereas I cannot consent to among

o send you a copy of the decing a the Telegraft care The detall are unaterting of assist you of the fool Isandy on copy by wail. Us Circuit pers are suffered to is had least intettigent of not always fair times, but the deciency micetes with designed of the record Mf Juston Me Lyer mile tell you the decision is absolutel willow went rain. the cleanes induce that the proge new really real to The arrive decesion is based as of juis richay, & of sha is one element & Clean than anothe of is that the come has prindiction, once the Juras part there was a contract their engry me of and a s look & peus diction, but the the

Egnitable life G 4822 ourse I moved not call her ceft in my helplereness. am arranging the appeal in our telegraph case + will gex some friend to go on the appeal bond. The lawyers all simply kidicals the decision just hand ed down. They proceeded afor an Entirely false basis, og that we had a formal Contract with the articles instead, of a conditional trust agreement and Jay Sous personally No are as certain now town as water runs down hill, as the merits who rever disputed they decision is solely on the question of purisdiction, + three (3) us Just had already decided the court had juristities. Has the Judge of the US Come offeats not

J. C. REIFF
20 BROAD STREET
TELEPHONE, 754 RECTOR.

New York, Jet 27 4/9// 191

Thos. a. Edison Egg.

Sear Sir.

Sool. J. C. Reiff being Confined to the house requisted me to write you arking if you would at Kindly alphy to his lettle of Jet 24 th much for a check for 452.22.

Jours rey tenly Je. Reiff Ju. NAThere

mr miller mr Reiff shows that the Iderald my World of to-day - refer to the court decision of the Delegraph Cars and asks that in case reporters attempt to interview my Edison about it - to please refer them to Mr Reiff-

Mr miller!m J.C. Reiff died this morning about 8 o'clock of preumonia - Call up 754 Rector - they wish to talk to you. El Lazerty

notice of my bother Late Sostah It Mi Citi um deid dote mosel 2.11 Afind stoled decision obucernine, the arophie instruments, Suplexite, which lyon my bother and some other drined to to the nightful oursess of had been undlend about Two works before hothers death -Do you know this to to a fast? to is a frot a an good ingdieste in a tries when whether I not the decision was f

vonable to you hother my the other porties interested. Bother unolime a few months be And his defath sungished you cerning this Drit Lonce found employment no your forpai in 784 174 and met you in the Philioffice, Spal, 27 It you conditionlighter me one what upon the Stolus of This fruit if not settled alkady, you will flow one who has alosed, followed you business conto 19nd advisind much in your business life / There is O W. John Hoping that you may him on to bless huminic, and at the some time how all the Hessings that you an sopethe of morning the

Zun Day the sunt went agreement us but we shall probably appeal to the supreme court & possibly may ultimately

TH- Reigs

The British Columbia Copper Company Simited.

31. Nassau Street,

Executive Office.

New York, March 16th, 1911

Thomas A. Edison, Esq.,

Test Orange, New Jorsey.

Dear Sir:-

It is my privilege to hand you herewith, on behalf of the Board of Directors of this Company, an expression of regret and sympathy as to the death th C.Rciff.

Very respectfully yours.

Wenty for Secretary of Colonel Josiah C.Rciff.

At a Heeting of the Board of Directors
of The British Columbia Confer Company, Minited,
Held Harch 14th, 1911
The following expression as to the death
of Colonel Josiah C.Reiff
was unanimously adopted.

The Board of Directors of The British Columbia Copjer Company, initiad, desire to place on record an expression of their deep regret at the doubt of Colonel Josiah C.Reiff.

colonel Reiff was elected to this Moard during Yohruary 1904, and from that time until his death served and fulfilled nost conscientiously the duties imposed upon him as "Mrector. He never lost an opportunity to act and express himself nost fearlessly in behalf of the interests of the Company, and those he so well represented on its Board, and his devotion to and comprehension of the Company's affairs, together with his genial personality, renders his loss all the greater and makes it the more difficult to fill the place he occupied in our councils.

The members of this Board wish to express their warmest sympathy for the members of Colonel Reiff's family and nearest friends, believing that they too have custained an irrevarable loss, and direct that comies of this Minute be handed Colonel Reiff's next of kin, Fre.J. Hood Wright, at those residence he died. a d other of his close friends, and also that this expression of sympathy and reprot be spread upon the Records of the Company.

Territoria. Mentichar

Telephone 6810 Stanover mr Remick 174 th st and hort- Washington Mr Edism: mr John Markle avenul - (letizen Broadway telephoned that you have and the river They wish been selected as one of the to be advised as to whether Honorary paul bearers at you can be present or not. the funeral of the late E Hazuly Gol J. C. Reiff - The funeral will take place tomorrow at 2.30 pm from the residence of mis I Hoved Wright

Mr Edwon

Mile you see Mr Lybrand,

tomorrow after hunch

Scale

Markle - gam feeling ill and do not believe Ishould

attend the funeral =

bur Dyen: - 18, 1911, 1/2 Wille Eden har Dyen: bearing that her Edison's M Net, 28, madel Tobal Reigh you the per pre of paying a premium (8462 20) of Insurance The that Day upon his (Reist's) Sife -) had not hen seceived at bol Reiff's affice must after his teath and has not been need or deposited, as get, by his administrators, I amogethed to the Hill, (one of Col, Reiff's administrators,) That the chief be returned to the Edison I and I telephoned to You Affice, to aroise that payment thereon be Telapel of course, if the cheer marker Fifne Cal, Rights

a chief sent for a specific purpose, - newsered immediacy if not mided impossible to teath. can be propule and applied In any ather purpose, the hence Think that the cheek should he returned been lodisin that, in the meantime, payme thereon should be Stapped, Hastily Hours, Frank L. Deper, Ovange, high

> APR 29 1911 FRANK L. DYER.

In Re Reeff claim. april, 29, 1911. DEartu histler; Phase find enclosed. Receipt for Two families (200) Pallar Retainer in the hather of her Ediron's pural claim against the Estate of Col J. C. Reiff. Harry Hours Ober april 25/1911) Orange, N. J. April agth 1981 Received from Thomas a. Eduson Two hundred # -Retainer in claim against Estate of log Jo Reiff

April 29, 1911.

Mr. Frederick J. Stone,

33 Broadway.

Now York.

Dear Mr. Stone:

Yours of the 28th inct. has been received, confirming your telephone suggestion that payment on irr. Edison's check for \$482.20 of Pebruary 20, 1911, should be stopped, and I immediately advised Mr. Miller to this effect. I thank you for this suggestion.

Yours very truly,

FLD/IWW

General Counsel.

United States Circuit Court of Appeals SECOND CIRCUIT.

(In Equity.)

GEORGE HARRINGTON and THOMAS A. EDISON, and DANIEL T. REIFF and PHILIP S. HUL as Administrators of the Goods and Chattels of Josian C. REIFF, deceased,

Complainants and Appellants, acainst

THE ATLANTIC & PACIFIC TELE-GRAPH COMPANY and GEORGE J. GOULD, EDWIN GOULD, HELEN M. GOULD and HOWARD GOULD, as Executors and Trustees under the Last Will and Tesment of Jay Gould, deceased, Defendants and Respondents.

Assignment of Errors.

And now on the third day of July, 1911, come the plaintiffs, complainants and appellants in the above entitled action, by Frederick J. Stone, their solicitor, and respectfully show and allege that the order and decree of the United States Circuit Court of Appeals,-made and entered in the above entitled cause February 24, 1911, reversing the final decree of the Circuit Court in this cause rendered on March 7, 1919, upon the ground "that the Circuit Court did not have jurisdiction of this cause" and directing the lower Court to dismiss the bill, without costs of either Court "for lack of jurisdiction,"-was and is erroneous and against the just rights of the complainants, and they herewith file the following "Assignment of Errors," upon which they will rely upon the prosecution of their appeal from the order and decree of this Honorable Court. -(dated the 24th day of February, 1911, and filed in the office of the Clerk of this Court on the 24th day of February, 1911,---) reversing the final decree of the Circuit Court upon the ground "that the Circuit Court had no jurisdiction of this cause" and directing the lower Court to dismiss the bill herein without costs of either Court "for lack of jurisdiction,"-and their appeal from the mandate issued thereunder to the lower Court and from the order and decree of the lower Court, entered thereon or thereunder, dismissing the bill of complaint for lack of jurisdiction and from any and all proceedings, taken or to be taken, thereon or thereunder; and the complainants and appellants assign the following errors and respectfully show and allege:-

I. That this Honorable Court erred in ordering, adjudging and decreeting "that the Circuit Court had no jurisdiction of this cause," and likewise erred in ordering and directing the lower Court to dismiss the bill "for lack of jurisdiction," whereas this Honorable Court should have affirmed the interiocutory decree herein, made by Mr. Justice Russi and field and entered in the office of Russi and field and entered in the office of the Circuit and field and entered in the office of the Circuit and the Circ

III. That this Honorable Court erred in failing and refusing to find and decree that the defendants were guilty of infringing patents belonging to the complainants respecting automatic telegraphy, whereas such infringement was duly proven by uncontradicted evidence; and this Court erred likewise in failing and refusing to hold that complainants, as the equitable owners of the patents, could bring suit for infringement and the Circuit Court could acquire jurisdiction (of such suit); and this Court likewise erred in failing and refusing to hold that Gould took title to Complainants' Patents as a trustee only and that his assignment to the defendant corporation was in violation of the trust imposed upon him by complainants, of which trust the defendant corporation had full knowledge, and was therefore inoperative and ineffective to convey the title or prevent complainants, as the equitable owners of the Patents in suit, and as the legal and equitable owners of Case "H". Letters Patent 162633 from maintaining a suit for the infringement thereof, arising under the Patent Laws, whereas the Circuit Court was given and acquired original jurisdiction of this cause under the Constitution and Laws of the United States, as more fully appears in the opinion of Mr. Justice Hazel, and the interlocutory decree adjudicating infringement herein, reported in 143 Federal Reports, page , reference to which is hereby made and which is made a part hereof.

IV. That this Honorable Court erred in failing and refusing to affirm the interlectuatory decree herein, made by Mr. Justke: Hazel,—adjudicating the defeedants guilty of infringement and ordering an accounting—whereas this Honorable Court should have affirmed the said interlectuatory decree herein and appointed a new trustee to take and state the account of the gains, besendles, profits, savings and advantages derived by the density of the same and advantages derived by the form of the said and again and the said of the said damages sustained by the complainants by reason of such infringement.

V. That this Honorable Court errod in failing and refusing to find that Harrington and his ussociates were the owners of the Ellison inventions in duplex and quadruplex telegraphy and of the patents and patent rights relating thereto, and in ignoring and refusing to accept the admissions contained in the pleadings on this subject.

VI. That this Honorable Court erred in failing driusing to find and decree that the defendants were guilty of infringing complainants' patent rights and inventions relating to Duplex and Quadruplex telegraphy, whereas such infringement was duly proven by uncontradicted evidence.

VII. That this Honorable Court erred in failing and refusing to find that the use of the Edison Quadruplex Inventions by the Western Union Telegraph Company (the successor company to these defendants), was a direct infringement of the invention first known as "Cues II," which eventuated in a patent issued to Harrington and Edison, April 27th, 1875, as U. I. Letters Patent No. 102,033, and in failing and refusing to hold that said Patent No. 162,033 was the basic patent of the quadruplex and

in ignoring and refusing to accept the direct admissions contained in the pleadings on this subject.

VIII. That this Honorable Court erred in fulling and refusing to find that the complainants were entitled to recover as diamages the value of the use of their patents and patent rights as measured by the value thereof placed thereon by the parties themselves by the memorandum of December 30th, 1374, and the letter of instruction of April 10th, 1376, attached to the bill of complaint herein and in disregarding the evidence in that respect.

IX. That this Honorable Court cered in falling and refusing to find that complainants were distinct to recover as damages the value of the 27,41s shares of the Athorites of the value of the 17,41s about 18 per share, with interest thereon from August 20, 187, accordance with the uncontradicted evidence

X. That this Honorable Court erred in failing and refusing to find that the complainants were entitled to recover the sum of \$1,022,700, with interest from August 20, 1877, as just, true, lawful and proper damages sustained by the complainants by the unlawful infringement of the defendants.

XI. That this Honorable Coart errel in failing or refusing to find that the misenpropriation by the defendants of the patent rights and interests mentioned and set forth and classped in the bill was in wifful violation of complainant's patent rights, and constituted an infringement of complainant's patent rights and interests and that the value placed upon the said patent rights and interest and the patent rights and interest patent patent rights and interest patent patent rights and interest patent patent rights and interest complainant patent rights and interest themselves was proper and legal evidence of such damages and, in the absence of components the patent p

XII. That this Honorable Court erred in failing and refusing to find that the wrongful appropriation and conversion by these defendants of complainants' patent rights and interests constituted an infringement thereof for which a recovery could be had in this action; and this Court likewise erred in disregarding and refusing to follow the opinion of Mr. Justice Hazel, filed herein on January 25th, 1906, in which, among other things, it was held that "the facts amply show that not only a trust "relationship between Gould and the equitable "owners of the patents, but also that the former "participated and profited in the infringing acts. "In short, he instigated the tort or trespass and "effectuated a wrongful appropriation of complain-"ants' patents. He invaded rights which the laws "were designed to protect. He controlled the "transactions of the company and was a principal "in the wrongdoing, and hence, his representatives "cannot now be heard to disclaim responsibility "from the consequences of the acts which are the "subject of the complaint."

XIII. That this Honorable Court erred in failing and refusing to find that there was uncontradicted proof adduced before the Master of infringement by the defendants of complainants' patent rights and inventions, which the Court was bound to accent and adout as true.

XIV. That this Honorable Court erred in refusing to accept the admissions of ownership of the Duplex and Quadruplex Tatents, stated in the Bill of Complaint and admitted in defendants' answers, and also erred in refusing to order the cause to be resubmitted to the Master with instructions to find and report substantial damages for the infringement of complainants' automatic pattents and with instructions to admit proof of profits and damages. relating to the infringement and use of complainants' patent rights and inventions relating to duplex and quadruplex telegraphy.

Wherefore, your complainants pray that for the errors and omisions aforesaid the decree and judgment appealed from may be reversed and the interfeoutory decree, adjudicating infringement and ordering an accounting herein, may be affrenced, and that the Court below be directed to refer it to a new Master to be appointed by the Court below, to take proper evidence under the rulings and directions of this Court as to the dumages austained by your complainants and wronggas matchined by your complainants and wrongplainants may have such other and further relief in the premises as to the Court shall or may seem just and equitable, together with the costs of this appeal.

Dated N. Y., July 3, 1911.

FREDERICK J. STONE,
Solicitor for Complainants and Appellants,
33 Broadway,
New York City, N. Y.

ALTON B. PARKER, Of Counsel.

UNITED STATES CIRCUIT COURT OF APPEALS.

SECOND CIRCUIT.

(In Equity.)

GEORGE HARRINGTON and THOMAS
A. EDISON, and DANNEI, T.
REIFF and PHILL S. HILL as
Administrators of the Goods
and Chattels of JOSIAH C.
REIFF, deceased,
Complainants and Appellants,

against

THE ATLANTIC & PACIFIC TELE-GRAPH COMPANY and GEORGE J. GOULD, EVENT GOULD, HELEN M. GOULD and HOWARD GOULD, as Executors and Trustees under the Last Will and Tesment of Jay Gould, deceased, Defendants and Respondents. Petition of Appeal.

To the Honorable E. Henry Lacombe, Henry G. Ward, Alfred C. Coxe and Walter C. Noyes, Justices of the United States Circuit Court, sitting as Justices of the United States Circuit Court of Appeals, in and for the Second Circuit:

The complainants in the above-entitled action, conceiving themselves aggréered by the manifold errors in the record and proceedings herein and by the discree of this Honorable Court, hearing dute February 24, 1911, and made and entered, in the office of the Clerk of the United States Circuit Court of Appeals in and for the Second Circuit, or the said 24th day of February, 1911, reversing the contract of the con

the interlocutory decree herein entered in the United States Circuit Court in and for the Southern District of New York, on the 20th day of December, 1906, and reversing the final decree then made and entered in the said United States Circuit Court in and for the Southern District of New York on the 7th day of March, 1910, upon the ground that the said Circuit Court had no jurisdiction of this cause, and directing the court below to dismiss the bill of complaint herein, without costs of either court, for lack of jurisdiction, do hereby appeal to the Supreme Court of the United States from the said decree and order of the said United States Circuit Court of Appeals in and for the Second Circuit, and from the mandate and order issued thereunder to the lower court and from the order or decree of the lower court dismissing the bill of complaint for lack of jurisdiction, for the reasons specified in the complainants' assignment of error, which is filed herewith.

which your petitioners respectfully pray that this appeal may be allowed and a citation granted diverted to the above named defeadants, The Atlantic & Pacific Telegraph Company, and Goorge J. Gontla, Edwin Gould, and telegraph Company, and Goorge J. Gontla, Edwin Gould, and Testament of Jay Gould, deceased, commanding them to appear before the Supreme Country of the United States to do and respectation properties of the record proceedings, papers, and evidence in the said cause, wherein the said decrees and orders appealed from were made, may be duly authenticated and sent to the said supreme Court of the United States.

FREDERICK J. STONE,
Solicitor for Complainants and Appellants,
33 Broadway,
New York City, N. Y.

The foregoing appeal,—from the order and decree of this Court reversing the final decree of the Circuit Court upon the ground that the Circuit Court han do jurisdiction of this cause and directing the lower Court for lack of jurisdiction and from the mandate and order of this Court issued thereunder directing the said Circuit Court to diemiss the bill of complaint, without court of the miss the bill of complaint, without court of the court, is shortly certified that a question of jurisdiction under the constitution and laws of the United States is involved in this appeal, and the bond or undertaking upon the said appeal is fixed at Five hundred dollars.

Dated New York, July / 7, 1911.

and for the U. S. Circuit Court in and for the Southern District of New York, sitting as one of the Justices of the U. S. Circuit Court of Appeals in and for the Second Circuit.

By the Honorable Henry G. Ward, one of the Judges of the Circuit Court of the United States for the Southern District of New York, in the Second Circuit, to The Atlantic & Pacific Telegraph Company and George J. Gondl, 26-win Gondl, as Executors and Trustees under the Last Will and Testament of Juy Gonld, deceased, Greeting:

You are hereby cited and admonished to be and appear before the Supreme Court of the United States, to be holden in the City of Washington, in the District of Columbia, on the /4th day of august, 1911, pursuant to a petition of appeal and assignment of errors and order allowing the said appeal, filed in the office of the Clerk of the Circuit Court of Appeals, in and for the Second Circuit, wherein George Harrington, Thomas A. Edison, and David T. Reiff and Philip S. Hill, as Administrators of the Goods and Chattels of Josiah C. Reiff, deceased, are the complainants and appellants and you are the defendants and respondents, to show cause, if any there be, why the errors assigned in said petition of appeal and assignment of errors filed therewith should not be corrected and why the decrees and orders appealed from in the said petition of appeal mentioned should not be corrected and why speedy justice should not be done in that behalf.

Given under my hand at the Borough of Manhattan, in the City of New York, in the District and Circuit above named this / 7/2 day of July, in the year of our Lord one themsand nine hundred and eleven, and of the Independence of the United States they one hundred and thirty-five.

Judge of the Circuit Court of the United States for the Southern District of New York, in the Second Circuit.

/ Teleg - Riege July, 18, 1911. En hu Edison; 20 11 I run Deliding you and En Papers, which Ifile in the Mrs. Circux Comez of appeals. and in the best Circuit Court, destulay In each case, they comised of assignment of Evers, Petition of tappeal and order allowing the appeal of and certificate that a question of juin diction is modured -) and Citation on Appeal. I also filed the two Bouts , which you who touch Company Extented japle the Judge has Endorsed his approval thereon, I thurst me are in Excellent Thepe, and fact tackly factor

Tyouwill see Mr FH Wheelock who was Reffs private Sea for many years you Compredeably get all the information washall need as to Trapely - Quarry Mortgage Rullerford Wkray

Tale a Raife COUNSELLOR-AT-LAY Phan the hin E. that I have secrived the two (2) Ohicho for \$ 25 " each payable to " Chief of the Us Susseme which, with a cultifue transcript of the Rund de ancient Court of appeals, I hear his day sup to the Clark the Suprembe Cours as Washing I will send the hoursoupe of the Riend of the Court Court pit the att \$250 check as po Read he have sutter; I Affrat from to Cien

Edison General File Series 1911, Legal - Litigation - Thomas A. Edison v. Allis-Chalmers Co. et al. (E-11-59)

This folder contains correspondence and other documents pertaining to a patent infringement suit, which, when settled on November 29, 1911, sustained Edison's Key crushing-roll patents. Most of the documents are by Edison's counsel Louis Hicks, and some contain marginalia by Edison. Also included is a letter by Walter S. Mallory of the Edison Portland Cement Co. concerning the introduction of new pulleys at the cement works in Stewartsville. New Jersev. In 1907.

All of the documents have been selected except for duplicates.

Other documents relating to this case can be found in Harry F. Miller File, Group 2: Allis-Chalmers Case Settlement (Legal Series) and in Edison v. Allis-Chalmers Co. et al. (Thomas A. Edison Papers Digital Edition, QX001).

OR ARCLING. Edward is active Challerers (Concerning Grant Rolls at New Usley)

COMPANIAN SYSTEM COMPANIANCE CONTRACTOR OF ADMIRALTY,

Thomas A. Edison, Esq. Edison Laboratory, Orange, N. J.

My dear Mr. Edison: Edison -v- Allis-Chalmers Co. et al.

I enclose a copy of a reply and of a letter sent today to Judge Hazel in the above smit. Defendants counsel
made numerous typewritten annotations to the complainant's
brief, and having pasted them on the margin of a copy of the
brief, presented them to Judge Hazel. The enclosed is my reply to their "annotations".

No opinion has been rendered yet, and it is not poscible to tell just when the case will be decided. While my reply was, perhaps, not necessary, I thought it better to send it in lest the judge be misled.

With regards, I am,

Yours very truly,

read return

Hon. John R. Wosel,

U. S. Judge,

P. O. Building, Buffalo, N. Y.

Dear Sir;

Edicon v. Allis-Chalmers Co. et al.

percentents' counted having presented to your Monor on "annotated" cay of complainant's brief, the following reply is respectfully presented on behalf of complainant. Two points only will be considered, on follows:

- I. The longe of the Editor inventions of the claims of the potents in out and defondants' infrincesort.

 II. The foot that defondants couldn't be Editor senting of the potents in redding the pulley feat on the policy feat on the couldness of the potents in redding the pulley feat on the could be a mail as in all other orticiles.
- I. The record and the bristantifited finding the fact that Tr. Edison was the first to break read by kancia energy. In the prior of there was not the remote that of Edison's kinetic rethird nor may apparatus onposite or currying out that mathod.

It and Mr. Edicont ochievement to device a method and apparatus capable of breaking up and crushing rock-wasseq blooted out at the quarry in large quantity, without the tedicus and expensive reduction of the rock to small pieces. by re-blasting and hand-sledging, necessary to feed the reck to the jaw-ernahers and greatery ernehers which were the only primary rest-bredding apparetus captoyed in the order ort. According to the cylinges address nte. tried engineers characterized or. Esist "hobby"and his "folly" and pointed out to him that "no! machine sould be constructed powerful encorb to crush succosofully five, cix and cowen ten rocks" or to "withstand the terrific jar which would result" (see McClure's Magazine, complt's brief, p. 239). Fr. Edison was attempting to dewide a method and a machine that would do work never dene

previously by any machine and thus solve the problem which
he set for himself of breaking and cruehing, without reblasting and hand-sledging, rook-masses just as they were blasted out at the quarry, in immense volume from the natural
rock formation (complt's briof, pp. 185-187). The state of
the art was such that it offered no suggestion for the solution of this problem, which has been solved only by Mr.
Edison's kinetic method and apparatus. After years of experimental work and failure and by the expenditure of immense sums of money, supplied by himself alone to the extent
of over \$2,000,000 and almost without assistance from others
(complt's brief, p. 254), he succeeded.

Mr. Edison succeeded by evolving the kinetic method and the kinetic apparatus. Both were fundamentally new, accomplishing a result previously thought to be impossible and never yet accomplished by any othermethod or machine (complite brief, p. 164). The inventions of the patents in suit are, therefore, of great merit and the questions involved in this suit are not to be decided upon the technical quibbles interposed by defendants to ward off the consequences of their deliberate pirating of the principles and details of the inventions.

The question, therefore, is - Of what do the prented inventions consist? What are the kinetic method and apparatus described and claimed? The essence is the developing and storing of an enormous amount of kinetic energy in massive relis traveling at a high rate of speed and periodically expending enormous pertions of the ctored kinetic energy upon the rook masses in order to break them up and then cruch them.

The rells weigh from 25 to 45 tons each, more or less, and travel at a surface speed of from 3400 to 4000 feet per

minute (complt's brief, pp. 67-69), so that the kinetic energy developed and stored in the rolls is so enormous that, in rollis such as the New Village and Pekin rolls. it amounts to 2,320,000 foct-pounds (complt's brief, pp. 80-81). In the periodic breaking of successive charges of rock, fed to the rolls at intervals, as much as 1,390,000 foot pounds of energy will, in many instances, necessarily be expended in the breaking of a single charge of rock, leaving in the rolls only . 930,000 foot-pounds or only 2/5 of their original store of kinetic energy or far. less than that expended in breaking the single charge of rock(complt's brief, p. 207). The Cornish and other rolls of the prior art, relied upon by defend ants, were capable of developing only 8100 foot-pounds of kinetic energy, about 1/285 part of that developed in the Edison kinetic, giant rolls and about 1/170 part of that required to be expended, by the Edison rolls, in breaking a single charge of rock(complt's brief,pp.205-208).

Hence, in the prior art, the ariving agent, and not the energy of the rolls, did the work of crushing and pulvorizing small places of rock that had proviously passed through the jas-crusher or the gyratery crusher, a sufficient power being at all times, applied to the rolls by the driving agent which was at all times subjected to the entire strain of the work being done (complt's brief, p.240). In the Edison machines the driving agent (the belt or belts) serves only to bring the rolls up to speed, the work of cracking and crushing the role-manuscus being done by the ropidly retating massive rolls, provided with strong, tenacious, hammering knobs of different heights, through the periodic and sudden expenditure of enormous portions of the immense store of kinetic energy previously developed in the rolls during the intervals when no work was being done.

The foregoing kinetic action of the Edison rolls was fundamentally new. There is nothing like it in the whole range of the history of the rock-breaking art. The described kinetic action is the substance and gist of the inventions.

The rest are details. The prior art contained no apparatus capable of such and the seah massive rell might expend its kinstic energy upon the rock and not upon the other rell, Edison did not connect the two rells by any rigid connection, as by toothed gearing, and apply the driving agent or agents to one rell only, so that the other rell would be driven secondarily and dependently through its gearing connected with the first rell, but he acconstructed his machine that each rell was driven independently the driving agent (the bult), each rell being provided with its som separate pulley bearing independently upon the driving agent, as that each rell received its matter directly and independently, through its pulley, from the driving agent and

not secondarily and dependently from the other roll, through any rigid connection, such as toothed gearing, between the two rolls.

Thus Edison made his rolls "independently driven and disconnected", which expression has no other limitation than that above given arising from anything to be found in the prior art or set forth in the patents in cuit. The court will observe that the expression refers to the "drive" of the rolls and not to the capacities of the rolls so driven. Edison did not make one roll drive the other through toothed guaring, but he employed an independent drive for each roll. consisting, in the example shown, of a single belt imparting motion to each roll independently through the separate pulley thereof. The idea is that each roll shall receive its motion directly from the driving agent (the belt) through its own separate pulley and not from the other roll through any rigid connection, such as toothed gearing, between the two rolls. The *independently driven and disconnected massive rolls" are mechanical elements and not functions or capacitios. The phrase describes the construction, and not the mode of operation, of the machine. This matter has been so fully shown by Mr. Bentley, when considering the precesdings in the patent office and the prior art (complt's brief. pp. 31-38; 160-162; 321-324; 324-329) that there can be no doubt upon it whatever. The scope of the inventions of the patents in suit, in viewof the prior art, is such that the claims should be so construed, under the settled rule (complt's brief, pp. 160-171; 324-329), as to protect the inventions fully. As pointed out by Mr. Bentley (complt's brief, p. 33) when he came to consider the prior art:-

"It is manifest, as a matter of fact, that the prior art and alwold of any that or suppostion of Milson's method of oracidar rock-mauses by oppositely directed hasmor blaws of hamering rolls having great saight and speed. As a matter of neverthat method was fundamentally original with Edison. I see no good reason why Milson should have added that the rolls were 'independent' or 'independent' and a speed. That, however, is of the control of seconceted'. That, however, is of the control of the connected'. That, however, is of the control of Mabbits, Stutz and Culver, and roll merch, the case of Babbits, Stutz and Culver.

In order that the Edison, kinetic, massive relie might deliver their kinetic energy upon the rock in hazmer-like blows, Edison provided strong, hazmering knobs upon the curaces of the rolls, and in order that the kinetic apparatus might be effective to break up and then crush large pieces of rock he provided one or more sets of higher, sledging knobs that shattered and reduced the large rock above the rolls, so that it could then be subjected to the rolling action of the knobs between the rolls, a construction and mode of operation entirely new. These knobs, as well as the action thereof, were fundamentally new (complt's brief, pp. 71-72; 199-200).

The prior art does not show a single example of roughened rolls driven by a belt, nor even a single example of a rook-crushing roll with hammering knebs (complt's brief, pp. 220,355.)

In order to carry out his method of breaking rockmasses by kinotic energy and in constructing his kinetic rolls, Mr. Edison employed a small driving power, delivering power to both the rolls, insufficient to break the rock by the direct application of the power or to start the rolls

from a state of rest. In other words, the driving power, employed was so small that the periodic, gradual accusulation, and the periodic, sudden expenditure, of kinetic energy was necessary to break the cuccessive charges of rock periodically fed to the rolls. Such an arrangement and such action were entirely unknown in the prior art (complite brief, pp.16-30)

A further detail employed by Mr. Edison in connection with his broad invention was the slipping power connections which are referred to only in claims 4 - 7 of the opportion patent. The clipping power connections are intended, as stated in the description of the patents, merely to
permit a "reduction in the upsed of the rells" shile breaking and crucking rock and the description of the patents mentions several equivalent devices that may be employed to
accomplish this purpose (complish brief, pp.39, 41, 89-01).

The claims 11 ited by the slipping peace connections, namely, only claims 4-7 of the apparatus patent, contain no limitation as to the slowing down of the rolls nor as to the manner in which the rolls shall clow down, and the stated purpose of the <u>description</u> is accomplished whether the rolls, by reason of the clapping power connections or their specified equivalents, slow down together or differently. In either case the clipping power connections or their specified equivalents praist a "reduction in the speed of the relia", which is all that the <u>description</u> requires. <u>Defendants' pekin and Detroit rolls do both.</u> They slow down together and differently.

Moreover, there is nothing whatever in the prior art nor in the specification of eitherpatent limiting the

scope of the inventions in this respect or furnishing any ground upon which to held that said claims 4-7 of the apparatus patent do not cover Mr. Eddoon's kinetic, independent, macsive rells, with roughence or irregular surfaces, unless it is shown that they slow acom differently as well as together. The sole statement, found only in the description of the method patent, is that the several means specified as equivalents are intended to permit a "reduction in the speed of the rells". This purpose is accomplished and said claims infringed whether the "reduction in the speed of the rells" takes place in such meaner that the rells slow down together or differently. In either case there is a "reduction in the speed of the rells"

Since the word "speed" is used in the singular , and the word "rolls"in the plural, the language quoted indicates that the patentoe had in mind the case where both rolls were rotating at the same speed, and where that one speed of both rells was reduced in the bresking and crushing of rock, such reduction in speed being permitted by any of the equivalent means mentioned. The equivalent means, specified in the patents, for permitting a reduction in the speed of the rolls while breaking and crushing rock, include means which would permit the rolls to slow down together and not differently (complt's brief, pp. 319-320). The capacity of the rolls to slow down differently , as well as together when provided with slipping power connections located at the roll-pulleys, as in the defendants' Pekin rolls, cannot be read as a limitation, into claims 4-7 of the apparatus patent, since some of the soutement means specified permit the rolls to alow down together only.

Whatever may be the <u>capacities</u> of the <u>Baison</u>, kinetic, independent, massive roll—, when provided with the slipping

power connections or equivalents of claims 4-7 of the opparatus patent, it is a proposition that is incontrovertible that it is nowhere stated in either patent that the two rolls at any time in their operation rotate at different speeds . This was pointed out by defendants' counsel upon his crossexamination of Mr. Bentley who was pointing out the capacities of the Edison machines, when provided with slipping power connections located at the rell-pulleys. How can a capacity not mentioned either in the description or claim of a patent. be read into the claim as a limitation? The rule is that the claims of a patent for a mechanical device are not to be limited by the functions or capacities of the device not mentioned therein. A patentee is entitled to every use to which his device claimed can be put. Nor is infringment avoided by impairing the function or capacity of a patented device, or because the patented structure is not utilized to the fullest extent possible (complt's brief, pp.324, 327 and cases cited).

brief (pp. 324, 327) reference may be made to <u>Mational Co. v.</u>

<u>Interchangeable Co..</u>106 Fed. 693, 709, C.C.A. In that case
Samborn, C. J., pointed out that it is a combination of
mechanical elements that may be pretected by a patent for a
mechanical elements that may be pretected by a patent for a
mechanical elements that may be pretected by a patent of every
use to which the combination of the mechanic may be put, both
when its functions or capacities are all utilized and when
they are not; that an inventor may describe and claim only
his machine; and that, having done so, he is entitled to
every use to which his device can be applied, whether or not
he was aware of all those uses or methods when he secured
his patent or menoply. Judge Samborn then held (p. 709),
accordingly, that certain claims of a second patent to Mien

In addition to the cases cited in complainant's

were void because anticipated by a claim of a prior patent obtained by the same inventor. The only difference between the claims of the two patents was that the claims of the second patent mentioned a certain resilience which resulted from merely tightening up certain serows of the claim of the first patent. "The result is", said Judge Sambern, "that the second claim of the first patent to Mein, No. 361, 000, secures to him the exclusive use of the combination there specified, when resilience or camber in the beam is utilized, as well as when it is not".

In <u>Geschen Co. v. Bissell Co.</u>,72 Fed. 67, 74-75, C.G.A., Judge Lurten, held the same, olting <u>Reborts v. Ryer.</u> 91 U.S. 150, wherein it was held that a patent to Lyman was an anticipation of the patent sued on, because, although Lyman co arronged his device as to use only an <u>ascending</u> current of air for refrigerating, upon the groundled supposition that the greatest benefit was to be derived therefrom, and the completinant patented had arranged XXXXXXXXXXXXX his so as to use a <u>descending</u> current, both inventions adopted substantially the same means for cooling the air and either machine could use either current or both. The Supreme Court said that an "inventor of a mechine is entitled to the benefit of all the uses to which it came to put, no matter whether that conceived the idea of the use or not".

Of course, in the case at bar, the defense of noninfringement is a cham defense. Insemuch as defendants have made exact copies of the Edison patented machines, their machines must operate precisely as the Edison machines/of the patents operate and that they do so operate is everwholmingly shown by the evidence (compit's brief, pp.100-160; 88-100; 171-183; 302-333). The preposterous claim that

the use at Pekin of the belt-tightener pulley, copied by defendants from the Edison plant at Sibley, so tightens the belt as to avoid slippage at the roll-pulleys is not only false, as shown by the cyldence (complt's brief, pp.91-99; 100-160), and immaterial, because defendants employ all the equivalents specified in the patents for the slipping power connections (complt's brief, pp. 89-91), but the claim is like the tightening or leasening of the screws to produce or prevent the "resilience" in the brake beam case (106 Fcd. 709, cited supra, p. 8 '). In either case the patented structure is there and infringement exists, whether the functions or capacities of the apparatus are all employed or utilized or not, A more adjustment of the belt-tightener pulley, would eliminate its effect, if any (complt's brief, pp. 328, 91-99 Complainant contends, under the well-settled rule (complt's brief, pp. 169-171), that the claims of his patents should be so construed as to protect his inventions fully, and that in order to prove infringements of claims 4 and 7 of the apparatus patent, he should not be required to show, as he has, at great expense, shown in this suit (complt's brief, pp.88-100 and 100-160), that the defendants' rolls

Koreover, it is well settled that if any of the elements of an invention are now and useful, even though they may not be useful save in combination with other elements of a device, they may be separately claimed (<u>Mational Co. v. American Co.</u>, 182 Fed. 626, 639 and cases cited). In other words, a claim is valid though it does not cover all the elements necessary to the useful operation of a device. For this reason also, the attempt of defendants to read into

are not only provided with slipping power connections and the equivalents thereof specified in the patents but slow down differently as well as together in the breaking and

grushing of rock.

each claim of the patents in suit every element and capacity referred to or not referred to in the descriptions or referred to in the testimony, but not mentioned in the claim, is without surrent in the patent law.

In the case at bor, defendants deliberately pirated the substance and details of the Edison inventions and of Mr. Edison's practical embediments thereof at New Village. Sibley and clsewhere. At Pekin they copied the Sibley and New Village rolls, while at Detroit they copied the Edison rolls at Little Falls and cleewhere. The differencesalleged to exist by defendants' counsel, such as the use of an electric motor instead of a steam engine as the source of power, need not be considered. As obewn (complt's brief, pp.62-100; 50-52) defendants, at Pekin and Detroit, made Chinese copies of the Edison inventions and machines and they resorted to descritful and insincere negetiations with Er. Edison in order to inspect the New Village and Sibley plants, examine blue prints thereof and obtain all information down to the minutest details to the end that they might make their copies exact, as they did (complt's brief,pp.53-61).

Defendants' Pekin and Detroit rells are not only Chinese copies of the Eddson inventions and machine, but they have all the <u>compacities</u>, perform all the <u>functions</u> and <u>operate precisedy like</u> the Eddson machines of the patents in mit. <u>This is shown averwhelminely by the evidence</u> (complt's brief, pp.100-160; 88-100; 171-183; 302-333). Under any construction of the claims defendants infringe. Their rolle rotate at different rates of speed and alow down <u>differently</u> as well as together, shile breaking and crushing rock. They exploy the Eddson inventions and machines to break rock by kinetic energy. Their mechines are the machines of the

patents, possessing all the advantages, functions and capacities thereof and all the mechanical elements thereof, precisely as set forth in claims 1, 2, 3, 4 and 7 of the apparatus patent and they employ the method of the claims of the method patent. Their defences are entirely technical and eithout merit.

They urge the defence of non-infringement upon the gr and that they do not employ the friction-clutches, but the friction-clutches are an unimportant detail, mentioned only in claims 5 and 6 of the apparatus patent, for which the description of the patents mentions several equivalents, all of which defendants employ (complt's brief, pp.89-91). The inventions are in no way limited to the friction-clutches (complt's brief, pp. 305-306). The fact that the description of the patents sets forth several equivalents for the friction-clutches, which are mentioned mercly as one of several "evident"means specified in the description, for permitting a reduction in the speed of the rolls while breaking and crushing rock, shows in itself, that the inventions are in no way limited to the friction-clutches and that the patentee expressly pointed out that they were not so limited. The friction-clutches of claims 5 and 6 may be dis-

penced with and so may the alipping power connections of claims 4 and 7 and still the broad inventions of claims 1, 2 and 3 of the apparatus patent will be present and the method of the method patent will be ompleyed. This appears sufficiently from the fact that claims 1, 2 and 3 of the apparatus patent make no reference to the friction-clutches not to the slipping power connections which are in no way occential either to the carrying out of Edicon's kinetic method or to his kinetic apparatus. But the express statement of the method patent afrirms the point. It is said (p.1, lines 36-66 of No. 672,610) that, instead or using the friction-clutches to permit a "reduction in the speed of the rolls",

while breaking and crushing rock,

"it is evident that the same result can be accomplished although not so conveniently, by employing any entrable device for disconnecting the reliefrom the driving-shaft just before the rook with
the driving-shaft immediately after the rook of
the relies and reconnecting the rook of
the driving-shaft immediately after the rook of
the rown by maintaining the concertion with
the driving-engine of small power and allowing its
speed to be reduced with that of the rolls."

The quoted passage necessarily contemplates that the pullcys shall be fast on the rell-shafts, since it specifies other means for permitting a "reduction in the speed of the rells" while breaking and crushing rack. Evidently the rells might, as stated, be disconnected from the driving-shaft just before the rock is dumped upon the rells " by omploying any suitable sevice", as, for instance, in a supposable once, by the removal of the driving belt, in which case there sould be no friction-clutches or slipping power connections employed to permit the "reduction in the speed of the rolls" while breaking rock. Again, the friction-clutches exext night be dispensed with, the pullcys being fast on the roll-shafts, and the reduction in speed permitted, as states,

"even by maintaining the connection with the driving-engine of small power and allowing its speed to be reduced with that of the rolls" (pl., lines 63-66).

Obviously, from the passages quoted, the frictionclutches of claims 8 and 6 and the alipping power connections of claims 4 and 7 may be dispensed with and any suitable device or means may be reserted to in order to permit a "reduction in the speed of the rells" while breaking and cruching rock. In the employment of the kinetic method and in the construction of the kinetic apparatus, it is necessary only that the massive rolls deliver their kinetic energy upon the rock. This will cause the rells to slow down, but the manner in which or the means by which they are

permitted to slow down are immaterial and form no limitation of the broad inventions as set forth in the claims of the method patent and in claims 1, 2 and 3 of the apparatus patent.

In the commercial embediments of his invention Wr. Edicon dispensed with the friction-clutches, made the pulleys fast on the roll-shafts and maintained the connection with the driving-engine of small power, allowing its speed to be reduced with that of the rolls. In addition, since the driving belt "operates through elipping friction", as stated in the patents (p.1, line 87), the slipping power connections of claims 4 and 7, such as the slip of the belt on the roll-pulleys and on the line-shaft pulley, have also been retained and employed. Such is the construction of defondants' Pekin and Detroit rolls (compil's brief pp.89-91), copied from high Edison machines at Sibley, How Village, Little Falls (U. S. Grusched Stone Co.) and elsewhere.

The point is that the broad inventions claimed in claims 1, 2 and 3 of the apparatus patent are in no way limited by any means for permitting a reduction in the speed of the rolls while breaking and crushing rock. Their claims specify nene and the scope of the inventions did not require such limitation. Although the kinetic operation results in a reduction in the speed of the rolls while breaking and crushing rock, such reduction in speed may be necomplished in any suitable memor, as stated in the patents, and it is only in claims 4 to 7 of the apparatus patent that Mr. Edison claimed his break invention in connection with means, such as the silpping power connections of claims 4 and 7, or the friction-clutches of claims 5 and 6, or their equivalents, for accomplishing that result. Such being

the scope of the meritorious inventions of the Edison patents, the Court will, under the settled rule (complete brief, pp. 169-170; 163-170) so construe the claims as to protect the inventions fully. There is nothing in the language of the claims to prevent the Court from so doing. Therefore, the Court will find infringement(complete brief, pp. 169-170; Downgiao Mfg. Co. v. Bronnen & Co., 127 Fed. 143, 180-181, C.C.A., quoting Cochrane v. Deener, 94 U.S., 789) and not permit those defendants to pirate the inventions and escape an injunction and accounting under the decree of this Court

It has been shown that the slip of a belt upon a pulley was not only a slipping power connection, specified in the patents, within the meaning of claims 4 and 7, but also that at the date of the inventions and patents in suit. it was a known means for permitting a reduction in speed of a driven pulley and roll (complt's brief, p. 127; pp.302-305; D.R. p. 304, x0.200 and p. 247, Q. 31, showing date of one passage referred to is 1988). It is, therefore, not only a slipping power connection specified in the patents, but also a known equivalent of all the other means specified in the patents for permitting a reduction in the speed of the pulleys and the rolls while breaking and crucking rock (Downgiao Mfg. Co. v. Brennon & Co., 127 Fed. 142, 150, 151, C.C.A., quoting from the opinion of Mr. Justice Bradley in Cochrane v. Deener, 94 U. S. 789 and of Judge Taft in King Co. v. Hubbard, 97 Fed. 795, 803; Welshach Light Co. v. Sunlight Co., 87 Fed. 221, 225; cases cited, complt's brief. pp.166-170).

II. The attempt to induce the Court to bolieve that defendants did not follow, but proceeded, Mr. Edison in making the pulleys fact on the roll chafts is proposterous. The attempt characterizes the defence.

These defendants, under pretence of negotiating with Mr. Edison for a license to use his inventions under payment of royalty, visited, through their representatives, the Edison plants at New Village and Sibley. As shown in complainant's brief (pp. 53-61), they inspected the Edison machines of thepatents in suit with the utmost care.

At New Village they examined plans and drawings of the Edison rolls in the office of Mr. Edison's company (C.R., p. 206, Q. 20). At Sibley they obtained measurements when they first inspected the plant, and the Allischalmers representatives returned for <u>further</u> measurements (C.R., p. 210, Q. 31). At both places they obtained from Mr. Edison's representatives and licensees complete information as to the principles and details of the Edison mechines and inventions (brief, pp. 53-61). They then made at Pekin a Chinese copy of the Edison machines. From Pekin they wrote, on May 6, 1908, to New Village for blue prints (C.R., p. 703) brief, p. 57).

They visited the New Village plant on April 15, 1908 (C.R., p. 202, Q. 6). At that time the pulleys were fast on the roll-shafts, and had been for a long time. On November 19, 1909 Mr. Mason testified as follows (G.R., p. 150, Qs. 55-57):-

10. 55. It is in evidence that originally the pulleys of the New Village plant were loss upon the roll-shafts and that subsequently the pulleys were made fast upon the roll shafts. Will you kindly exhain the change made in this respect and state when the change was made more years and the was made more to the pulley was that we found that by setting up the friction hand so tight that the best alleped on the pulley in preference to the pulley slipping on the addressing the presence to the pulley slipping on the addressing the presence to the pulley slipping on the addressing the presence of the pulley slipping on the addressing the same successfully as the strength of the pulley slipping on the slipping on the addressing the same successfully as the strength of the same successfully as the strength of the same successfully as the sa

Q. 56. "Kindly state in what manner the pulleys were first made fast on the roll shafts and

whether any change was afterwards made in the manner of making the pulleys fact on the roll-shafts? A. We first made the pulleys fact to the roll-shafts merzly by tightening up the friction band to such an extent that the pulley results are such as the pulley shaft is shafted to builting thich is in the pulley and bored it out so that it would be a little smaller than the diameter of the shaft on which it fitted. This eventually worked loose. We then put in a cont-iron bushing bored slightly smaller than the diameter of the shaft on which the pulley with its bushing on the shaft under hift pressure.

Q.57. The result of making the pulleys fast on the roll shafts, that is, so that the pulleys revolve with the roll shafts, is what with respect to the belt passing shout the pulleys when the rolls are engaged in breaking and crushing rock? A. it is the same to all intents and purposes. The allegangually and the shaft is new changed to the mulley and the shaft is new changed to the sulley and the shaft is new changed

Hence the pulleys had been made fast on the rell-shafts at New Village prior to Newember 19, 1907 and probably as early as November 19, 1906.

When they were at New Village, defendants inspected "the pulleys on the roll-chafts and the idler pulley and the belt passing around said pulleys", and these things were explained to them "while the plant was shut down for their benefit" (C.R., p. 207, Q. 23). Therefore, when defendants made the pulleys fast on the roll-chafts at Pekin, they copied %r. Edicon in this perticular as in all other perticulars and the attempt to demy it is unscrupulous.

There is nothing to show that, when the centract between the Allis-Chalmers Company and The Camparis Stone Company for the construction of the Pekin rolls was finally approved in July, 1908 (C.R., p. 195), the plans according to which the Pekin rolls were to be manufactured provided how the pulleys were to be connected with the rollshafts. When defendants councel introduced in evidence (D.R., p. 368) one of the blue prints of the Pekin rolls,

he withold all the blue prints of the Pekin rells except the one which shows the construction of the slugger rell, but not its pulley, and the date of that drawing is May 19, 1908. The earliest date, therefore, to which defendants can refer as a time when the pulleys were made fast on the rell-shafts of the Pekin plant is June, 1909, when they were inspected by Messes. Williams and Hartigen (C.R., p. 66, Q. 47; p. 84, Qs. 153-156), just prior to the commonement of this suit.

In October, 1908, Mr. Knowlton made the pulleys fast on the roll-shafts of the Edison rolls at Sibley (c.R., p. 611, Q. 16). This chance was made by Mr. Knowlton himself because it introduced no change whatever in the mode of operation of the rolls, being an obvious equivalent which any skilled mechanic would make if he sa desired, as shown by this instance, and the change was "emphatically not" suggested to him by the Allis-Chalmers Company, but resulted solely from his own use of the Edison rolls (c.R., p. 611, Qs. 17-19; p. 617, XQs. 37-43). These matters are considered in complainant's brief (pp. 46-49; p. 304; p. 354, etc.).

Because Mr. Williams, a <u>salesman</u> employed by Mr. Edicon (C.R., p. 13, Q.1), <u>sould not describe</u> the manner in which the pulleys were commonted to the roll-shafts at New Village, defendants' counsel have seized upon this circumstance to urge their false assertion that in Nevember, 1909, the pulleys were connected with the New Village roll-shafts by slipping connections.

On November 1, 1909, Mr. Williams was present at the first series of tests, made by Mr. Mason and Mr. Opdyke, of the New Village rolls (C.R., p. 697). Referring to these tests defendants' coursel cross-examined Mr. Williams

as follows (C.R., p. 53, xQ 249):

xq.249. You do not personally know, do you, whether in making the tests at New Village to determine whether the belt would slip around the drive pulleys on the roll-shaft, such drive pulleys were rigidly sourced to the shafts instead of being violdingly connected to the shafts? A. I do not "

Mr. Williams also testified that at New Villago there was efficient connection" between the pulleys and the roll-shafts, but said that he could not describe the drictional connection so that it would be understrod (C.R., p. 35, Qs. 124-125; ... 36, Q.133)

Mr. Hartigan explained the matter, stating in November, 1909, that the pulleys had been made fast on the roll-shafts at New Village by being pressed on the shafts and that at one time after about a year's operation, one of the pulleys worked losse, but this had been remedied (G.R., p. 77, 9c. 112-122).

Mr. Mason, who made the pullage fast on the rollchafte at New Village in Movember of 1906 or 1907, explained the matter fully in the passages above quoted from his testimony (C.R., p. 150, Qs., 55-57).

What Mr. Williams, who did not understand the matter and said so, had in mind, probably, was the fact that the rell-pulleye had been prossed, under high pressure, on the roll-shafts at New Villams and that this constituted a "frictional connection".

Eliminating the testimony of Mr. Williams, who stated that he had no personal knowledge or understanding of the subject, it appears:

(a) That Mr. Mason testified (C.R.,p. 150, Qs.55-57) that in Nevember of 1906 or 1907, he personally made the pulleys fast on the rell-shafts at New Village.

(b) That Mr. Hartigan testified (C.R., p. 77, Qs.112-122), that in November, 1909, the pulleys had been fast on

the rell-shafts at New Village for a long period of time, since, he said, after about a year's operation, one of the pulleys had, at one time, worked loose and been made fast again.

- (a) That Mr. Herter testified (c.R., p. 126, xQs. 152, 157, 158), in November, 1000, that the friction-olutohes had been climinated and the pulleys fixed upon the roll-shafts, being pressed on by about 100 tons pressure, and that the change had been made by the Superintendent, Mr. Mason.
- (d) That Mr. Bentley testified (C.R., p. 176), in December, 1909, as follows:-

"In the Edicon patents the pulloys have a rivetime-cutton councition with the reliabnts, whereas in the defendants' case the pulleys are fast on the short. This difference merely concerns the leading the fitting the pulleys fast of lawy and that in the Edicon plant at New Village, N. Justine Found the pulleys fast on the regent, just as in the destined the present, and for coveral years, they have been that way for coveral years, the alipages therefore countring between the belt and the pulleys instead of at the friction-clutches.

There is not a word of evidence in the record to support the false assertion of defendants counsel that defendant did not copy Mr. Edizon in making the pulleys fast on the rell-chafts. The Comperis Stone Company had charge of building the Pekin plant (D.R., p. 356, xq 40), though assisted by the other defendants (compli's brief, pp. 333-343). When Mr. Casparis and his sen visited the New Village plant on April 15, 1908, they saw the pulleys fast on the rell-chafts and that arrangement defendant copied in the Pekin and Detroit rolls. Moreover, as shown above, the Edison patents in suit stated that the friction-clutches could be climinated and various other means ompleyed for permitting a "reduction in the speed of the rolls."

while breaking and crushing rook. The elimination of the friction-clutches, necessarily involved making the pulleys fast on the roll-chafts, within the contemplation and meaning of the statements of the patents?

Therefore, the amoutations by defendants' counsol

pasted on pages 46, 304 and 354 of complainant's brief, in an effort to induce the Court to believe that defemiants did not follow Mr. Edison, but preceded him, in making the pulloys fact on the roll-shefts, disclose the cham character of the defense. Defendants have not only pirated the inventions, but now falsely pretend, when brought into court, to have originated details which they copied from Mr. Edison together with the principles of his inventions and all other details.

Dated, March 2nd, 1911.

Louis Hicks
Counsel for Complainant.

Respectfully submitted,

Hon. John R. Hazel.
U. S. Judga,
P. O. Building,
Buffelo, N. Y.

Dear Sir:

Edison -v- Allis-Chalmers et al.

In substiting in behalf of complainant the condense reply to the ammetatines of complainant's brief by defondants' counsel, I desire to call the attention of the court particularly to the fact that, although the evidence and the woll-known truth of the action of the court of the state of the court of th

There is then no tangible difference between defendants' infringing Pekin and Detroit rolls and the Edison anchines of the patents in suit. The construction and mode of operation are the same. The originary proves that defendants deliberately planned to make exact copies of the Edison mechanes of the patents in suit and that they succeeded in so deling.

A copy of this letter and of the enclosed roply is sent by same mail to defendants' counsel.

Respectfully submitted,

Lunic Olike

Counsel for Complainant.

My Con

March 6, 1911.

Er. Louis Hicks.

71 Hassau Street, New York, N. Y. MAR 7- 911

My dear Mr. Hicks:

on my return I find yours 2nd, enclosing copy of a letter to Judge Hozel, which I have very carefully noted, and it does not seem to me that the Allis-Chalmera people will very much pleasure out of your reply, as you have very thoroughly met their objections, and to my mind put them in a position of apparently having tried to deceive the Judge.

At New Village, the pulleys were made fact to the shafts on August let, 1907. I am able to identify this date by a manorandum which I made on one of our books at that time, so that I could watch the effect on the lights of making the pulleys tight and if it was necessary I could testify to this fact.

Insamuch as the Allis-Chalmers people did not visit the New Village plant until April, 1908, it shows that we could not have copied the change from

,

them

As I wrote you before, our side of the case seems to be so strong that on the face of it there seems every reason to believe that we will win. The only trouble with this is our experience in the past on cases which seemed we should win without any question, but which have gone against us, so that while I have very strong hopes that we will win, I am not counting on it as a certainty by any means.

With my very kindent regards, I am, Yours very truly,

WEST-RES

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COUNSELLOR AT LAW AND PROCTOR OF ADMIRALTY,

Thomas A. Edison, Esq., explession recent areas of the description of

Hazel's opinion in the abave-entitled suit ween sustaining your two, basic patents covering the giant rolls as patents for inventions of the highest merit, finding that defendants have infringed the patents and ordering an injunction and an accounting. Of course, with this decision as a basis, a preliminary injunction can be secured against the infringing rolls of the punbar stone Company near petroit, Mich. Please accept my congratulations upon the outcome of the suit, which, in view of the opinion and decision of the court, is all that could be desired.

With my best regards, I am,

Yours very truly.

I mis Strike

CIRCUIT COURT OF THE UNITED STATES, WESTERN DISTRICT OF NEW YORK.

IN EQUITY.

THOMAS A. EDISON.

Complainant,

-acainst-

ALLIS-CHALMERS COMPANY, EMPIRE LIMESTONE COMPANY and

THE CASPARIS TONE COMPANY,

Defendants.

ON FINAL HEARING.

LOUIS HICKS, for complainant.

EDWARDS, SAGER & WOOSTER, (THOMAS F. SHERIDAN,
GEORGE L. WILKINSON,) for defendants.

HAZEL, J.

This is a bill in equity based on two letters granted on April 23, 1901, to Thomas A. Edison, for method of breaking rock and for apparetus for breaking rock, numbered respectively, 672,616 and 672,617. The method petent was issued on application dated July 6, 1897, and the apparetus putent on divisional application dated August 9, 1900. The defondants are charged in the bill with joint infringement of the patents in this district. The answers allege invalidity of the patents because of prior public use and sale more than two years before they were granted and want of neverly and non-infringement. At the hearing the jurisdiction of the curt was challenged on the ground that a completed act of infringement prior to the demonsters of the action was not proven. This objection will now be considered.

The Empire Limestone Company is an inhabitant of the Western District of New York, and the Allis-chalmers Company

and the Casparis stone Company inhabitants of the states of New Jorsey and Ohio, respectively. It is claimed that the Allisachelmers Company and The Casparis stone company have not committed any act of infringement here. Pursuant to the act of March 3, 1897, a defendant, not an inhabitant of the district where a suit is instituted, must affirantively be shown to have committed an act of infringement and have a regularly established place of business therein. That the Allis-chalmers company and the casparis stone Company each has an established place of business in this jurisdiction is admitted, and the question submitted for decision on this phase is whether they have manufactured, used or sold the intringing machine within this district or entered into contracts for such use, manufacture or sale. The stipulations of record relating to this subject fairly show that the infringing apparatus was completed and installed within this district prior to June 18, 1909, and before this action was commenced, and that the Allis-chalmers Company contracted to sell and deliver such machine to The casparis stone Company within said district, which company had agreed to erect such machinery for the Empire Limestone Company at Pekin, New York. It is proven that the Allis-chalmers Company in the latter part of the year 1908, assisted in the creetion of the rollers by inspecting and approving the work of installation by the casparis stone Company, accordingly it is fairly shown that there was something more than the more manufacture of the apparatus by the Allis-chalmers company within this district; there was a delivery and acceptance and approval of the work of installation and sale within the jurisdiction of this court. (National ash pogister Co. v. American Cash Register co., 178 med. Rep. 79-83.) It is claimed as to the gupire Limestone company that the plant was not in actual operation at the time the bill was filed, but this, assuming it to be true, is immaterial in view of the

fact that prior thereto said company threatened to infringe the patents in suit. (Chester parging & F. Co. v. Tindel-Morris co., 165 wed. Rep. 899.)

Another question may here be decided before passing to the merits. The complainent gave testimony in robuttal tending to establish that the Allia-chalmers company had installed an alleged infringing apparatus at petroit, Michigan, subsequent to the commencement of this action and complainant claims to have the right to recover herein far such infringement. This claim is thought untenable. How a separate and wholly independent infringement in another district by one of the three defendants who are jointly charged with infringement has any relevance in this action is difficult to understand, and such testimony in the absence of controlling authority requiring its consideration will be disregarded.

Proceeding to a description of the patents and claims in suit, both of which are so closely allied that a consideration of one necessarily includes the other: As indicated by their littles both patents relate to crushing or breaking rock and ore and in its accomplishment two massive revolving rolls, weighing 167,000 pounds, six feet in diameter and five feet long and secured to a shaft, are used. The mandrels are provided with extraordinarily heavy plates which have on their outer surfaces large projections or sledging knobs. The rolls are mounted side by side on a frame having a gap between them. The frame has pulleys attached, around which runs a driving belt, so arranged as to cause the rolls to revolve toward each other and downward through the gap or space between them. The pulleys are yieldingly connected to the shaft by means of slipping friction clutches so that when the rolls revolve the friction clutches yield or slip without greatly lessening their speed. The rolls are separately and independently driven, the friction clutches being separate

and disconnected to permit the rolls to diminish or accelerate their speed independently of one another. Mr. Edison's object was to devise a method by which massive rock or boulder when taken from its bed could be instantaneously crushed or broken to pieces at the least possible expense by the blows of large projections on the rollers and thus to eliminate the hand sledging or blasting of the prior art. To accomplish his object it was necessary that the rollers correspond in weight and strength to the size of the material to be broken up. He believed it possible to use the energy and force generated by the inertia of revolving objects. The problem was how to apply such energy to assist in the crushing operation. Kinetic energy is the term by which such force and power is technically known. The skilled engineer know that a heavy rotating object contained stored power and energy component with it, and in the adaptation of such force and power for breaking and crushing large rock, it will be comprehended that if such energy could be practically used an achievement of great economic value and benefit in this art would result. It was necessary to design and construct machinery and rollers of a peculiar kind together with facilities for placing and using them in accordance with the modus operandi specified in the patent in suit. The patentee surmounted all obstacles and the record shows there were many. He was the first to evolve a crusher by which kinetic energy became a potential factor in the method of crushing and breaking rock by blows from the knobs on the rollers. It scarcely can be doubted that his inventions are meritorious and involve in their origination and perfection patentable skill of a high order.

The claims of the method patent read as follows:

^{1.} The method of breaking rock consisting in causing two independently-driven and disconnected mass two bodies to travel toward each other at a high speed, partially arresting the mation of such bodies by successively and periodically introducing sharpes of rock between them, there by breaking the rock by Aimete energy, and settlering the

speed of such hodies during the intervals, substantially as set forth.

2. The method or breaking rock commission in driving a pair of independently-driven and disconnected massive rolls at a continuous state of the second of a small power capable of running article up to speed down owerk is being done, partially arresting the methon of the rolls by successively and periodically delivering charges of rock to thom, threely breaking the rock by kinetic energy, and restoring the speed of the rolls during the intervals, substantially as set forth.

The claims of the apparatus patent which are involved, except the fifth and sixth, read:

1. In apparatus for breaking rack by kinetic energy, the comination of a pair of independently-driven and discharged the commentation of the commence of the c

2. In appearant for breaking rook by kinetic energy, the combination of a pair of independently-driven and discennected massive relie having roughened or irregular surfaced, a proor connection delivering power to both the rolls insufficient to start the rolls from a state of root, and most of no periodically delivering the rolls to periodically deliverintered to permit the rolls to recover sufficient speed to effect the successive breaking operation, substantially as sof forth.

salv l

- 3. In apparatus for breakdar rock by kinetic energy, the combination of a pair of independently-driven and disconnected amostive rells, knobe of substantially uniform height on the rells for entching the rock and muljocing it to a rulling action, larger and higher knobe disposed in a so of all row on one of the rolls are one of the rolls of the relliance of reck the relliance of reck the relliance of the passer, and means for port of the factor of the relliance of the passer, and means for port of the rolls saudrichent to break the rock by the direct application of the passer, and means for port of the rolls and relation to break the rock by the direct application of the passer, and means for port of the rolls and relationship the rolls of the rolls and relationship the rolls and relationship the rolls and relationship the rolls are set for the consensity breaking operations, substantially as set for the
- 4. In apperatus for breaking reck by kinetic energy, the combination of the two independent massive rolls having roughened or irregular surfaces, and the slipping power connections for both rolls, substantially as set forth.
- 7. In apparatus for breaking rook by kinetic energy, the combination with independent massive reals having roughened or irregular surfaces, of elipping power connections, and means for periodically delivering rook to the relie, substantially as set for the."

Claim 1 of the method patent is for a combination and desoribes the operation. Claim 2 is not substantially different but has included the feature of periodical delivery of

rock to the rolls. Alaim 2 of the apparatus patent is similar to claim 1, except that in its combination of elements is included "a power commection delivering power to both the rolls insufficient to start the rolls from a state of rost", while in claim 1 who power commection delivering power to the rolls is insufficient to break the rock by the direct application of the power"; claim 3 includes the higher knobs to break the rock to be subjected to the rolling action claims 4 and 7 are broadly for the combination of two independent massive rolls with irregular curfaces, and the slipping power connections for both rolls; claims 5 and 6 include the claement of friction clutches.

A number of patents for crushers having rellers are

claimed by defendants to anticipate and limit the claims in centroversy but such patents are inapplicable. To bring together and adapt in dimensions, iron rellers of such large propertions enclosed in a frame and providing means for periodically storing kinetic energy and periodically expending it as described in the specifications, was invention of the highest merit. It was not a question simply of changing the preportion, size or shape of the rolls. New and novel additions in crushing apparatus were made. The prior crushing or pressing rolls contained no helpful suggestions to the patentee as to the manner of using kinetic energy to instantaneously fracture heavy rock. Although the prior art shows crushing rolls with irregular surfaces as evidenced by the patents to Umholtz, No. 48,224 and 27,581, for coal broaker, yet such rolls are geared together and were not driven by a belt in opposite directions. They were incapable of delivering blows to powerful rock masses. Indeed there is a total absence in the prior art of the use of kinetic energy to scoure the hammering action necessary to break such heavy material as contemplated by Edison's inventions. A few/more pertinent of the prior structures are here special-

ized. In the Adams patent No. 24,783, for breaking stone, the rolls, which are provided with teeth, were govered together and there is no suggestion in the patent that kinetic energy was any factor in breaking the material. The British putent to stowe, No. 9,148, discloses a crusting machine with projections on the rollers and it has a fly wheel which defendants claim was a recognition of the desirability of crushing the material by kinetic energy, but I think that such energy was simply used to secure an even mement of the rolls. Moreover Edison's feature of driving the rolls by bolting is lacking, and the certitude that it was incapable of fracturing heavy rock is clearly apparent. In the cornish rolls, which have irregular surfaces, the rolls were geared together and were not independently driven and disconnected. To this class of crushers belong the patents to Babbitt, Stutz and culver - patents in which the rolls were not designed to operate on the mass at intervals and those having projections or teeth on the rolls pressed or ground the material instead of broaking it by hammering; nor was the speed of any such rolls accolerated by kinetic energy. In rolls of the size and weight of complainants it was essential that they be driven independently by belting so as to secure both co-operative and varying movements. Indeed the essence of the invention resided in such changes over the prior art. For, as indicated by the evidence, to have geared thereils would, because of the great weight and strain, have broken the gear teeth. In the wall rells, upon which the defendant lay emphasis, the rolls, it is true, were large but they were formed to operate as spiral gears, and were driven by gears, the method of crushing being in the nature of direct application of the power with the result that only small rock or stone could be crushed or pulverized. such rolls did not operate by kinetic energy; they were absolutely unable to orush large rock or boulder and after repeated trials were abandoned. In the prior art there is not disclosed any

method or apparatus for breaking rock by the medium of crushing rolls which are provided with knobs or projections and are driven by belting. They were provided in most instances, with teeth or projections on the rolls which were geared together and their function was to compress, pinch or pick the material to separate the particles. The driving agent, app wently, performed the work of crushing the material while in the patents under consideration there is a distinct departure, the material being wholly crushed or broken by the energy of the knobs on the rolls. Although some of the coparate chements of the claims in controversy were old and are found in the prior apparatuses, yet such old elements had never before been assembled or combined to use power stored in the rolls to break or crush rock nor prior to the inventions in suit had such rock been broken or crushed by harmer blows from projections on the rells driven by belt and rotating in opposite directions. Moreover the patentee was the first to use a small driving power to both rolls for the purpose of storting the rolls in their rewelutions from a state of rest. It is not enough to select separate elements from different devices and then without making any patentable change or improvement insict, as do the defendants, that the patented structure might have been similarly constructed (Diamond Match Co. v. Schonek, 71 red. Rep. 521; affd. 77 wed. Rep. 208; general pleetric gc. v. Wise, 119 wed. Rep., 922).) The claims are entitled to such a fair construction as will preserve to the inventor the fruits of his discovery.

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> There was much testineny pro and con in relation to the defense of prior public use and cale more than two years before Yuly 16, 1897, the date of the original application. The defendants contend, first, that the method patent wason cale chd in public use within the two year period; second, that the apparatus patent was on sale and in public use more

than two years before the filing of said original application and, third, that the apparatus patent was in successful operation in the year 1897. In view of the action of the patent office requiring a division of the original application for patent which included claims for process and structure, the filing date of the apparatus patent must be antedated as of July 16, 1897, the date of the original application. By the file-wrapper and contents it appears that on May 3. 1900, a division was required subsequently on August 1. 1900, the inventor in obedience to such requirement filed a divisional application for the apparatus patent. perendent contends that the divisional application &xxxxixxxxxxxxxxxxx contains subject matter not disclosed in the original application and therefore the former cannot be antedated. The descriptive matter, however, in the application upon which the patent was granted is substantially the same as that contained in the earlier. True a change was made in the description but such change in my opinion is not of material importance. We may, therefore, briefly examine the evidence regarding prior use and sale within two years before the original application was filed.

The construction of the crushing plant at Edison, New Jorsey, was begun in the year 1893, experimental rolls were constructed. There were many difficulties to evercome, viz: The rolls in operation reduced their speed so much that they become stalled and the belt stretched or slipped making it impossible to crush the rock; the rolls also failed to store the required kinetic energy to break the material and failed to contains the rotation. After frequent experimental tests in 1898, which were without the desired success the plant closed, geveral periodicals or magazines have been introduced in evidence to corroborate the claim of the defendants that the rollers were successfully operated in 1894 and 1895, but such publications have not convinced me

that at this time the patents were completed or beyond the experimental stage. The work at the plant was resumed and experimenting, constructing and making improvements on the relie continued until early in 1897, when the patentee's obneoptions were completed. The defendants assort that not only were the giant crushers practicable before July, 1895, but non-employes were permitted to witness the crushing operation. The permission given by Mr. Edison, however, to various persons to inspect or examine the machine if it was not then completed, will not establish a public use of the invention (Workmeister v. American Co., 134 wed. Rep., 321.).

The defendants further claim that a commercial machine such as the specifications describe was sold prior to 1895, to the New Jersey Zine Campany. The record shows that Mr. Edison had given a license to such company to use a orusher, -- not the sempleted invention in suit, and any patentable improvements that might subsequently be made. Indeed, it is satisfactor ly shown that the giant rolls embodying the inventions in suit were not used commercially until after the original application for patent was filed and that prior thereto the inventions were under the exclusive control of Mr. Edison. My conclusion on this phase of the controversy is that the defendants have not proven use or sale within the statutory period beyond reasonable doubt. In its most favorable aspect the testimony merely shows an experimental use of an incompleted machine and such use it has been frequently held, is not a public use (Elizabeth v. Pavement co., 97 U. S. 126; American & English Ency. of Law, 2d Ed. vol. 22, p. 338).

Coming now to the important question of infringement:
The defendants to differentiate its rollers and method of
operation from complainants, contend that the rolls installed
at Pekin, New York, are rotated by a common driving bolt

which engages the pulleys which are fixed rigidly by the roll shafts; that no friction clutches are interposed between the pulleys and the roll shafts as in complainant's structure; that the power is directly applied to the rolls from the driving belt and the rolls are not driven independently nor are they disconnected but on the contrary they are dependent and connected upon and to a bolt which engages the shaft. The expert witnesses are not in accord on various propositions relating to the similarity of the defendant's crusher to that of the complainant or the means adapted by the defendants to perform their work. By the testimony of complainant's witnesses Hewhouse and Van Zandt, who inspected defendants' rolls, it appears that they are approximately the same weight and size as those of complainant. They are similarily mounted in a frame and the two pulleys which are positioned side by side drive the belts by means of a driving belt which runs from a pulley upon a countershaft over a bolt tightening pulley and the roll pulley and to quote from the testimony:

*furtherest away from the line shoft, coming in comment with this pulley on the lower side passing partly around this pulley, then partly around the other pulley (U3) and had to the counterbant (1) the the same buil of a pulley in the companion of the the same buil of a companion of the companion of the first thing the companion of the companion of the companion of the first thing the companion of the compani

Such method of using the driving belt to retate the rells is practically the same as that of complainment. In place of the friction clutch between the pulleys and the rell shafts specified in claims 5 and 6 of the apparatus patent, the defendants seem to rely mark on the customary creoping of the belt to slightly reduce the speed of the rells and not by any clipping connection or clutch arrancoment. The evidence, however, is open to the inference that the driving balt naturally slips upon the rell surfaces as the rells reduce their speed. I am not unmindful of the testimony of the defendants' superintendent, Peterson, who pocitively

testified that at no time had he observed any tendency of the belt to slip on the roll pulleys, but, nevertheless, I am satisfied that there was a slipping as distinguished from what is technically known as creeping and, moreover, that such slipping was induced by the manner in which the rolls were operated. The specification of the method patent substantially states that after the rolls acquire their full speed the rock is periodically dumped on the rolls and the consequent effect thereof is to partially arrest the motion of the rolls, etc. In the defendant's method the material is likewise periodically dumped on the rolls with the result that their speed is reduced and the driving belts are caused to slip at some point on the shaft. Claims 4 and 7 are not limited to the friction clutches (complainant's preferred method of reducing the speed) as the means by which the speed of the rolls is controlled or reduced.

I am also of the opinion that the defendants rolls are windependently-driven and disconnected", and, therefore, infringe the method patent and the broad claims 1, 2 and 3, of the apparatus patent. The phrase "independently-driven and disconnected" relates to the construction and method of driving the rolls and was obviously used in the patent office to differentiate rolls driven by belting and such as are geared together. In providing a drive by belting the patentee secured a disconnection of the rells and independent rotation which were essential features of his patents and by which the kinetic energy was rendered capable of being used. Giving said claims such a construction without limiting them to a friction clutch connection, the defendants' rolls must be doemed to operate within their scope, as each is driven by its own pullcy which bears independently of the other on the driving belt, thus receiving its momentum directly from its pulley. The patentee has the undoubted right to every use to which his origination can be

applied and to every way in which it can be used to carry out its function, and having correctly described his invention, it makes no difference that he did not claim such uses. (National co. v. Interchangeable Co. 106 pcd. Rep. 693-709).

To summarize, the defendants' relie in operation are substantially the same as those of complainant, having a like capacity for crushing rock; they use the kinetic energy to break the material periodically dusped upon the rolls and in their operation perform the functions of the patents in suit am achieve the same result. The method patent describes the mode of treatment of the rock by which it may be chattered and the series of steps to be taken in the transforming process.

The combination of elements by which the splendid results of breaking rock by blows due to the use of kinetic energy were attained undoubtedly involvesthe exercise of invention as distinguished from mechanical skill. The prior art neither suggested the patentee's method nor the apparatue by which the work could be done. A fair proponderance of the evidence shows that the defendants have appropriated the inventions and infringed the claims of the method patent, and claims 1, 2, 3, 4 and 7 of the apparatus patent; claims of and 6 of the latter are not infringed.

Ascordingly the complainant may have a decree for injunction and accounting with costs.

J. R. H.

U. S. J.

Dated, June 6th, 1911.

Endorsed: Circuit Court of the United States, western Distriet of New York, In Equity. Thomas A. Edison, Complainant ws. Allis-chalmers Co. et al, pefendants. Opinion- Hazel, J. U. S. Circuit Court, western Dist. of N. Y. Filed June 6, 1911. Harris S. Williams, Clerk.

Permi TAETUR Ettis Chalmers July 11-11
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ma maccony promed that the
Allis-Chalmers people accepted our
proposition without any modification
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will have contract made out - a
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THE WESTERN UNION TELEGRAPH COMPANY

THE RECEIVED AT THE BOOK OF THE STATE OF THE

COUNSELLOR AT LAW AND PROCTOR OF ADMIRALTY. COMPORATION, PATENT AND GENERAL LAW, 71 NABSAU STREET, CORNER JOHN STREET,

NEW YORK, N. Y... DSC. 11, 1911.

Harry F. Miller, Esq., Edison Laboratory, West Orange, ".".

Dear Mr. Miller:-

I ber to acknowledge receipt of your favor of recember 8 oneloging contract between Raison and the Moll & Island Line & Transport Company, signed by Mr. Edison. I have forwarded the contract to the Helley Island Company.

With regard to your request for a copy of the agreement for Er. Edison's Files, I ber to say that as soon as I have closed the settlement by issming the injunction under the final decree entered by consent on the dismissal of the appeal, I will send to Fr. Tedison or to Mr. Mallory for Mr. Pdison, a complete set of all the papers in the matter, including, of course, the original contracts signed by the Allie-Chalmers Company, the Tunbar Stone Company, Empire Limestone Company, Kelley Island Company and Church Quarry Company, together with conies of the court papers.

Very truly yours,

Louis Hickor

action & habouts

Louis Hicks COUNSELLOR AT LAW AND PROCTOR OF ADMIRALTY, CORPORATION, PATENT AND GENERAL LAW, 71 NASSAU STREET, CORNER JOHN STREET,

TELEPHONE NO. DEIL CONTLANOT

NEW YORK, N. Y., Dec. 21, 1911.

NO. 92 c. (1

Thomas A. Edison, psq., Edison Laboratory, Orange, N.J.

My dear Mr. Edison:-

Edison vs. Allis-Chalmers Co., et al.

I am sending by express to-day to Mr. Harry F. Miller, to be delivered to you, the original contracts made upon the termination of the above suit, together with copies of the court papers. I have annexed a summary statement of all the papers referred to.

The settlement was put through on Nov. 29, 1911, by delivering to Max W. Babb, Esq., of counsel for the Allis-Chalmers Company, Dunbar Stone Company and Empire Limestone Company, all the contracts made between you and those companies, all of which were signed by you, and byhis delivery to me, as your counsel, of the contracts signed by said companies and sent to-day by express to Mr. Miller. At the same time, the stipulations were made between me and the solicitors for the defendants in the suit upon which the decrees of the courts were entered.

Inasmuch as the contracts which I received for you have not yet been signed by you, it seems to me that you should sign these contracts now, since the copies which I delivered were signed by you. I think that this should be done because if you should have need to use the contracts, your signature would appear thereon.

I am sending a set of the papers to the Legal Department and another set to Mr. Mallory by express to-day in order that they may have copies to refer to should occasion require, without the necessity of using the original contracts, which I send to you.

Wishing you a Merry Christmas and Happy New Year, I am,

Yours very truly, Louis Oliches

aire Chines

LOUIS MICKS,
COUNSELLOR AT LAW AND PROCTOR OF ADMIRALTY,
CORPORATION, PATENT AND GENERAL LAW,
71 NASSAU STREET, CONNER JOHN STREET,

TELEPHONE No. SEII CONTLANDT.

NEW YORK, N. Y. Dec. 21, 1911.

Harry F. Miller, Esq., Rdison Laboratory, Orange, N.J. mal 3 /201

Dear Mr. Willer:-

Edison v. Allis-Chalmers Co. et al.

I am sending to you by express to-day for Mr. relison a complete set of the contracts and papers made and executed upon the termination of the above suit. The contracts are the original contracts and should, therefore, be preserved with care. By same mail I have written to Mr. relison requesting him to sign his name to each of the original contracts and I repeat the request to you. He should sign his name above "party of the first part" in each case. Will you kindly present the contracts to him for signature before they are filed? The reason for this request is that the copies of the contracts which I delivered as counsel for Mr. relison were all signed by him, but those which I received for him have not yet been signed by him, and sometime we may need to produce the contracts, and it will be better if his signature appears on each.

On Nov. 29, 1911, I sent to Mr. Edison a check of the Allis-Chalmers Company for \$1,959.15, being the amount of the taxable costs paid by the Allis-chalmers Company upon the termination of the suit. Although I have no doubt that Mr. Edison received the check, still I have no acknowledgment of its receipt and would, therefore, ask that you be kind enough to inform me in regard thereto.

very truly yours.

Louis Hecken

or Milley We Chines

GENERAL OFFICES: WEST ALLIS WORKS MILWAUKEE, WIS.

ALLIS-CHALMERS COMPANY

CABLE ADDRESS "FOUNDERS"

NEW YORK, N.Y.

New York, December 30th, 1911.

JAN 2-

Mr. Thomas A. Edison,

Orange, New Jersey.

Dear Sir :

We wish to acknowledge receipt of your letter of the 29th, regarding air compressor, and to advise you that the writer will call at your laboratory to see you on January 2d, if this will be convenient to you. If not, kindly advise us.

Thanking you for your inquiry, we are,
Very truly yours,

ALLIS-CHALMERS COMPANY,

By In ribby

ANL--AGS.

ore milling

EDISON GIANT ROLL PATEUTS SUSTAINED.

An important decision has just been handed down by Judge Mazel in the U. S. Circuit Court of the Western District of Hew York in a suit against the Allis-Chalmers Company and two of its customers, the Empire Limestone Company and the Casparis Company, on Edison Fatents Jos. 672,616 and 672,617, grunted April 25, 1961, on the so-called Ciant Rolls. These rolls are referred to in the recent book "Edison: H& Life and Inventions, by Frank L. Dyer and T. Commerford Martin":

"No such departure was as radical as that of the method of crushing the ere. Existing machinery for this purpose had been designed on the basis of mining methods then in vogue, by which the westgreet our one seats or mainting meanous ones an vogue, oy which we fook was thoroughly shattered by means of high explosives and reduced to pieces of one hundred pounds or less. These pieces were then ormshed by power directly applied. If a concentrating mill, planned to breat five or six thousand tons per day, were to be planned to breat five or six thousand tons per day, were to be operated on this basis the investment in crushers and the supply of power would be enormous, to say nothing of the risk of frequent breakdowns by reason of multiplicity of machinery and parts. From a consideration of these facts, and with his usual tendency to upset traditional observances, Edison conceived the bold idea of constructing gigantic rolls which, by the force of momentum, would be capable of crushing individual rocks of vastly greater size than ever before attempted. " + + + + + + + + He proposed to eliminate the slow and expensive method of breaking large boulders manually and to substitute therefor momentum and kinetic energy applied through the medium of massive machinery which, in a few seconds, would breek into small pieces a rock as big as an ordinary cottage piano and weighing as much as six tons. Engineers to whom Edinon communicated his ideas were unanimous in declaring the thing an impossibility; that it was like driving two express trains into each other at full speed to crack a great rock placed between them; that no practical machinery could be built to stand the terrific impact and strains. Edison's convictions were strong, however, and he persisted."

Judge Hazel in referring to the patents under consideration and in setting forth a judicial review of Edison's accomplishment, said:

"Mr. Edison's object was to devise a method by which massive rock or boulder when taken from their bed could be instantaneously crushed or broken into pieces at the least possible expense by the blows of large projections on the rollers and thus to eliminate the hand sledging or blasting of the prior art. To accomplish his object it was necessary that the rollers correspond in weight and strength to the size of the material to be broken up. He believed it possible to use the energy and force generated by the inertia of revolving objects. The problem was how to apply such energy to assist in the crushing operation. Kinetic energy is the term by which such force and power is technically known. The skilled engineer knew that a heavy rotating technically known. object contained stored power and energy component with it, and outer contained stores power and entery component with it, and in the adoptation of such force and power for breaking and crushing large rook, it will be comprehended that if such energy could be practically used an achievement of great economic value and benefit in this art would result. It was necessary to design and construct machinery and rollers of a peculiar kind together with facilities for placing and using them in accordance with the modus operandi specified in the patents in suit. The patentee surmounted all obstacles and the record shows there were many. He was the first to evolve a crusher by which kinetic energy became a potential factor in the method of crushing and breaking rock by blows from the knobs on rollers. It scarcely can be doubted that his inventions are meritorious and involve in their organization and perfection patentable skill of a high order."

The Court then refers to the claims of the two patents, one covering broadly the method involved in crushing rock by kinetic energy and the other relating to the apparatus employing the two massive rolls which are so driven as to permit the crushing and breaking to take place. It was urged in defense of the suit that crushing rolls of much smaller size had been used, generally genred together, and that no invention would be required to increase the size and weight of such rolls and to dispense with the gear so us to permit the rolls to operate independently. Concerning this defense, Judge Hazel said:

"A number of patents for crushers lawing reliers are claimed by defendants to anticipate and limit the claims in controversy, but such patents are inapplicable. To bring tragether and adapt in dimensions, from reliers of such large proportions enclosed in a frame and providing means for predictionally storing kinetic energy and periodic mentions of the highest merits of the many and the such as the

were made. The prior crushing or pressing rolls contained no helpful suggestions to the patentee as to the manner of using kinetic energy to instantaneously fracture heavy rock. Although the prior art shows crushing rolls with irregular surfaces, the prior art shows crushing rolls with irregular surfaces, yet such rolls were general together and were not driven by a belt in opposite directions. They were inempable of delivering blows to powerful rock masses. Indeed there is a total absence in the prior art of the use of kinetic energy to secure the kammarking action necessary to break such heavy material at the three is not disclosed any method or supersurface with the prior and are disclosed any method or supersurface with breaking took by the medium of crushing any method or supersurface with broke are recleation and are driven. rolls which re provided with knobs or projections and are driven by belting. They were provided in most instances with teeth or projections on the rolls which were geared together and their function was to compress, pinch or pick the material to separate the particles. The driving agent apparently performed the work of crushing the meterial while in the patents under consideration there is a distinct departure, the material being wholly crushed or broken by the energy of the knoke on the rolls. Although some of the separate elements of the claims in controlersy were old and are found inthe prior apparatuses, yet such old elements had never before been assembled or combined to use power stored in the rolls to break or crush rock nor prior to the inventions in suit had such rock been broken or crushed by hammer blows from projections on the rolls driven by belt and rotating in opposite directions. * * * * * * * It is not enough to select separate dements from different devices and then whost and the superace executes from anticent devices and when without making any paternable change or improvement insist, as do the defendants, that the patented structure might have been similarly constructed. The claims are entitled tosuch a fair construction as will preserve to the inventor the fruits of his discovery."

The defendants' structure was practically a copy of
the Edison rolls, and the Court therefore had no difficulty in
promptly deciding them to be an infringement. On this subject the
Court ends:

"To summarize, the defendants! rolls in operation are
"To summarize, the defendants! rolls in operation are

substantially the same as those of complainant, having a like comparity for crushing rock; they use the kinetic energy to break the material periodically dumped upon the rolls and in their operations perform the functions of the patents in suit and achieve the same result. The method patent describes the mode of treatment of the rock by which it may be shattered and the series of steps to be taken in the transforming process.

The combination of elements by which the splendid results of branking rook by blows due to the use of kinetic energy were attained undoubtedly invalves the exercise of invention as distinguished from sechanical skill. The prior art neither suggested the patentee's method nor the apparatus by which the work could be done.

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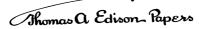
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